

CHAPTER - 1

INTRODUCTION AND BACKGROUND

Status of watershed programme and approved plan by Steering committee, Govt. of India and status of previous Detailed Project Reports for Mahoba district, Deptt. of Agriculture, Uttar Pradesh is given in following Tables 1.1 and 1.2.

Table 1.1: Status of watershed programme

Details	No.	District- Mahoba Area (ha.)
Total Micro watersheds in the district	87	67776.00
Workable Micro Watersheds	87	40593.00
Micro Watersheds already treated (partially) by Deptt of Agriculture, Dist.- Mahoba Uttar Pradesh	87	20401.00
Micro Watersheds (MWS) available for treatment (At the time of start of IWMP in the district)	87	40593.00

Table 1.2: Approved plan (PPRs) by Steering Committee (SC)/Govt. of India,

Year	Project	MWS	Area (Treatable) (ha)	Project Cost (Rs. Lakh)	Name of PIA	District- Mahoba Date of Sanction by S.C. Got. Of India
2011-12	IWMP-XVI	12	5720	686.4	BSA (Agri), Mahoba	26.09.2011
2011-12	IWMP-XVII	9	3691	442.92	BSA (Agri), Mahoba	-do-
2011-12	IWMP-XVIII	9	4270	512.4	BSA (Agri), Mahoba	-do-
2011-12	IWMP-XIX	13	3415	409.8	BSA (Agri), Charkhari	-do-
2011-12	IWMP-XX	13	4589	550.68	BSA (Agri), Charkhari	-do-
2011-12	IWMP-XXI	10	3101	372.12	BSA (Agri), Charkhari	-do-
2011-12	IWMP-XXII	09	3764	451.2	BSA (Agri), Kulpahar	-do-
2011-12	IWMP-XXIII	12	5800	696	BSA (Agri), Kulpahar	-do-
Total		87	34350.00	4121.52		

1.1 Project Background

Integrated Watershed Management Programme-XX comprises thirteen micro-watersheds namely Gyori (2C1B3b3c), Barai (2C1B3h1a), Padoura (2C1B3h1d), Pupwara (2C1B3h2c), Patha (2C1B3h2d), Keeratpura (2C1B3c3b), Natarra (2C1B3c3c), Behari (2C1B3c3e), Rivai (2C1B3c1c), Kanera (2C1B3c2b), Malkhanpur (2C1B3c2c), Nousara (2C1B3c2d) and Bamhauri Beldaran (2C1B3c2e). Watershed project is situated in Charkhari block of district Mahoba and spread over in 29 villages of 12 gram panchayat. The total geographical area of the IWMP-XX is 12830.43 ha, out of which 4589.00 ha is treatable under Integrated Watershed Management Programme (IWMP-XX).

Table 1.3: Details of IWMP-XX for which this DPR is Prepared

Watershed project	Micro Watersheds (MWS) detail	Micro watersheds code	Treatable Area (ha)	Name of Watershed in which MWS is falling (River / Nala name)
IWMP-XX	Gyori	2C1B3b3c	1190.00	Ken River
	Barai	2C1B3h1a	250.00	-do-
	Padoura	2C1B3h1d	299.00	-do-
	Pupwara	2C1B3h2c	117.00	-do-
	Patha	2C1B3h2d	299.00	-do-
	Keeratpur	2C1B3c3b	310.00	-do-
	Natarra	2C1B3c3c	318.00	-do-
	Behari	2C1B3c3e	300.00	-do-
	Rivai	2C1B3c1c	532.00	-do-
	Kanera	2C1B3c2b	249.00	-do-
	Malkhanpur	2C1B3c2c	375.00	-do-
	Nousara	2C1B3c2d	225.00	-do-
	Bamhauri Beldaran	2C1B3c2e	125.00	-do-
Total			4589.00	

1.2 Need and Scope for Watershed Development

Bundelkhand region was in a grip of severe drought continuously from 2004 to 2007. In the region, more than 85 per cent of open wells were dried up due to deficit rainfall during drought. Cattle were abandoned due to shortage of water and fodder. Most part of the region was dependent on drinking water supply through tanker. Therefore, management of natural resources on watershed basis is urgent need of the region. Watershed project was selected with following objectives:

Long Term Objectives:

- To optimize productivity of the land
- To restore ecological balance in degraded and fragile eco-system
- To narrow down the disparity between rainfed and irrigated areas
- To create sustained employment opportunities

1.3 Weightage for selection of Watershed

Watershed project was selected on the basis of criteria mentioned in Table 1.5 and composite ranking was developed on the basis of these parameters. The seventeen criteria were taken with total of 205 weightage points. The criterion taken are availability of drinking water, irrigation, degree of soil erosion, water holding capacity, area under rainfed agriculture, status of field bund/contour bund / graded bund, presence of hard rock below the land, options for livelihood, percentage of small and marginal farmers, degraded land, ground water status, status of technical knowledge for improved farming systems, weather conditions, poverty index (% of poor population), virginity of land, productivity potential of land and soil organic carbon status. The weightage for project is about 82.93 per cent (Table 1.6).

Table 1.4: Criteria and weightage for selection of watershed

S. No.	Criteria	Maximum Score	Range & Score			
1	Drinking water	15	Very poor Dependence on water supply through tanker (15)	Poor Partial availability within the periphery of 3-4 km (10)	Good Round the year availability within the periphery of 3-4 km (5)	Very Good Round the year availability in watershed (0)
2	Irrigation	10	No irrigation (10)	Life saving irrigation (7.5)	Partial life saving irrigation (5)	Fully covered (0)
3	Degree of soil erosion	10	Severe (10)	Medium (7.5)	Low (5)	No erosion (0)
4	Water holding capacity	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
5	Area under rainfed agriculture	15	More than 90% (15)	80 to 90 % (10)	70 to 80 % (5)	Below 70% (Reject) (0)
6	Status of field	10	Below 20 % (10)	50 to 20 % (7.5)	80 to 50	Above 80%

	bund/contour bund / graded bund				(5)	(2.5)
7	Presence of hard rock below the land	15	Hard rock starts from 5 to 20 feet (15)	Hard rock starts from 21 to 50 feet (10)	Hard rock starts from 51 to 100 feet (5)	Deep soil depth (0)
8	Options for livelihood	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
9	% of small and marginal farmers	10	More than 80% (10)	50 to 80 % (5)	Less than 50% (3)	
10	Degraded land	15	High above 50% (15)	Medium 25 to 50% (10)	Low less than 10 – 25 % (5)	Very low Less than 10% (0)
11	Ground water status	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
12	Status of Technical Knowledge for improved farming systems	10	Very poor (10)	Poor (7.5)	Good (5)	Very Good (0)
13	Weather condition	15	Uncertain weather condition / Continuous drought for three years (15)	Drought comes one in five years (10)	Drought comes one in ten years (5)	Normal weather condition (0)
14	Poverty index (% of poor population)	10	Above 80% (10)	80 to 50 (7.5)	50 to 20 % (5)	Below 20 % (2.5)
15	Virginity (No treatment /intervention in last five years)	10	Above 80% (10)	80 to 50 (7.5)	50 to 20 % (5)	Below 20 % (2.5)
16	Productivity potential of land	15	Lands with low production & where productivity can be significantly enhanced	Lands with moderate production & where	Lands with high production & where productivity	-

			with reasonable efforts (15)	productivity can be enhanced with reasonable efforts (10)	can be marginally enhanced with reasonable efforts (5)	
17	Organic carbon status	15	Very low (15)	Low (10)	Medium (5)	Normal (0)

Table 1.5: Weightage of the project

S. No.	Criteria	Weightage points
1	Drinking water	5
2	Irrigation	10
3	Degree of soil erosion	10
4	Water holding capacity	10
5	Area under rainfed agriculture	10
6	Status of field bund/contour bund / graded bund	10
7	Presence of hard rock below the land	10
8	Options for livelihood	10
9	% of small and marginal farmers	10
10	Degraded land	15
11	Ground water status	10
12	Status of Technical Knowledge for improved farming systems	10
13	Weather condition	10
14	Poverty index (% of poor population)	10
15	Virginity	10
16	Productivity potential of land	10
17	Organic carbon status	10
Total Weightage (Out of total 205)		170
Weightage Percentage		82.93

1.4 Details of ongoing watershed programme

Presently, no watershed development programme is going on in the micro-watershed.

CHAPTER - 2

GENERAL DESCRIPTION OF PROJECT AREA

2.1 Location:

The micro-watersheds of IWMP-XX is located in Charkhari block of Mahoba district. It is about 40 km. from Mahoba to Kharela road. Location (lat/long), Gram Panchayat, villages and its geographical area for each micro-watershed are depicted in Table 2.1. Total area of the project is 12830.43 ha, out of which 4589.00 ha is treatable. The geographical area of micro-watershed varied in the range of 796.85 to 1288.40 ha.

Table 2.1: Micro-watershed wise details of location, Gram Panchayat, villages and geographical area of IWMP- XX

Sl. No.	Name of micro watershed with Code	Latitude / Longitude	Names of villages	Name of Block	Area of village included in MWS(Geographical)	Details of important /approach road with distance km
1	Gyori 2C1B3b3c	79°47'0"E- 79°50'0"E 25°36'0"N- 25°32'0"N	Gyori	Charkhari	1288.40	Mahoba to Kharela road
2	Barai 2C1B3h1a	79°54'0"E- 79°57'0"E 25°35'0"N- 25°33'0"N	Kauhari, Gyori, Barai	Charkhari	809.56	
3	Pupwara 2C1B3h1d	79°53'0"E- 79°56'0"E 25°32'0"N- 25°30'0"N	Parora, Gaurhari, Puwara	Charkhari	1215.04	
4	Pehretha 2C1B3h2c	79°51'0"E- 79°54'0"E 25°32'3"N- 25°30'0"N	Pupwara, Kuwan, Pehretha, Rihuniya	Charkhari	796.85	
5	Patha	79°52'0"E-	Pupwara,	Charkhari	919.00	

	2C1B3h2d	79°54'0"E 25°28'15"N- 25°32'15"N	Patha, Rihuniya, Gudhari			
6	Keeratpura 2C1B3c3b	79°48'0"E- 79°51'0"E 25°30'0"N- 25°28'0"N	Kakun, Sighaura, Keeratpura, Bamhauiy, Kurara Bajpai	Charkhari	998.00	
7	Natarra 2C1B3c3c	79°48'0"E- 79°49'0"E 25°29'0"N- 25°27'0"N	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	Charkhari	818.21	
8	Sijaura 2C1B3c3e	79°51'0"E- 79°53'0"E 25°30'0"N- 25°27'0"N	Bamhauri kalan, Sijaura, Patha	Charkhari	998.20	
9	Rivai 2C1B3c1c	79°45'0"E- 79°48'0"E 25°31'0"N- 25°29'0"N	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	Charkhari	1179.16	
10	Kanera 2C1B3c2b	79°44'0"E- 79°47'0"E 25°28'0"N- 25°26'0"N	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	Charkhari	980.76	
11	Berikhera	79°44'0"E-	Malkhanpu,	Charkhari	994.14	

	2C1B3c2c	79°47'0"E 25°26'0"N- 25°24'0"N	Berikheda			
12	Jataura 2C1B3c2d	79°46'0"E- 79°48'0"E 25°28'0"N- 25°26'0"N	Imlikheda, Bamnetha, Jataura	Charkhari	752.30	
13	Bamhauri Beldaran 2C1B3c2e	79°44'0"E- 79°46'0"E 25°25'0"N- 25°22'0"N	Jordanganj, Bamhauri Beldaran	Charkhari	1080.43	
	Grand Total				12830.43	

2.2 Area and Landuse: Village wise detailed information on type of land is depicted in Table 2.2. The total culturable land of the project is 9935.00 ha, out of which 1688.95 (17.00%) ha land is under assured irrigation mainly by means of open shallow dug wells. The cultivable rainfed, temporary and permanent wastelands are about 75.5, 6 and 1.5 per cent, respectively, of culturable land of the project.

Table 2.2: Details of land resources in IWMP-XX of Mahoba district

Sl . N o.	Name of MWS with code	Name of Village	Cultiva ted rainfed area	Cultiva ted irrigate d area	Uncultivated wasteland/ fallow		Pvt. Agri. Land				For est Lan d	Commu nity land	Other s	Total area (ha)
					Tem p.	Perma nent	Gen	SC	OBC	Total				
1	Gyori 2C1B3b3c	Gyori	921.10	207.40	73.20	18.30	195.20	231.80	793.00	1220.0 0	0.00	25.77	42.63	1288.40
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	461.31	103.87	36.66	9.17	97.76	116.09	397.15	611.00	0.00	48.57	149.99	809.56
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	692.34	155.89	55.02	13.76	146.72	174.23	596.05	917.00	0.00	72.90	225.14	1215.04
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	454.51	102.34	36.12	9.03	96.32	114.38	391.30	602.00	0.00	47.81	147.04	796.85
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	523.97	117.98	41.64	10.41	111.04	131.86	451.10	694.00	0.00	55.14	169.86	919.00
6	Keeratpur2 C1B3c3b	Kakun, Sighaura, Keeratpu	569.27	128.18	45.24	11.31	120.64	143.26	490.10	754.00	0.00	59.90	184.48	998.38

		ra, Bamhaur y, Kurara Bajpai											
7	Natarra 2C1B3c3c	Pancham pura, Keeratpu ra, Natarra, Bamrara, Jataura	466.59	105.06									
					37.08	9.27	98.88	117.42	401.70	618.00	0.00	49.09	151.12
													818.21
8	Behari 2C1B3c3e	Bamhaur i kalan, Sijaura, Patha	569.27	128.18									
					45.24	11.31	120.64	143.26	490.10	754.00	0.00	59.89	184.31
													998.20
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari , Riwai	671.95	151.30									
					53.40	13.35	142.40	169.10	578.50	890.00	0.00	70.75	218.41
													1179.16
10	Kanera 2C1B3c2b	Berikhed a, Imlikhed a, Sudamap ur, Kanera, Bamneth a	558.70	125.80									
					44.40	11.10	118.40	140.60	481.00	740.00	0.00	58.85	181.91
													980.76
11	Malkhanpu r	Malkhan pu,	567.01	127.67									
					45.06	11.27	120.16	142.69	488.15	751.00	138. 00	59.65	45.49
													994.14

	2C1B3c2c	Berikheda													
12	Nousara 2C1B3c2d	Imlikheda, Bannetha, Jataura	428.84	96.56		34.08	8.52	90.88	107.92	369.20	568.00	0.00	45.14	139.16	752.30
13	Bamhauri Beldaran 2C1B3c2e	Jordanga nj, Bamhauri Beldaran	616.08	138.72		48.96	12.24	130.56	155.04	530.40	816.00	0.00	64.83	199.60	1080.43
	Grand Total		7500.93	1688.95	596.10	149.03	1589.60	1887.65	6457.75	9935.00	138.00	718.29	2039.14	12830.43	

(Source: LDWR, Charkhari, Mahoba, U.P.)

2.3 Physiography

The micro-watersheds of IWMP-XX is situated at an elevation of some 118 to 265 m above mean sea level and has relief from 25 to 100 m. General topography of the watershed is mild to gentle. Elevation range and relief are given in Table 2.3.

Table 2.3: Micro-watershed wise elevation range and relief

Name of MWS	Minimum	Maximum	Relief
Gyori 2C1B3b3c	120	162	42
Barai 2C1B3h1a	118	144	26
Padoura 2C1B3h1d	123	157	34
Pupwara 2C1B3h2c	121	146	25
Patha 2C1B3h2d	128	158	30
Keeratpur2C1B3c3b	132	164	32
Natarra 2C1B3c3c	138	173	35
Behari 2C1B3c3e	135	163	28
Rivai 2C1B3c1c	138	169	31
Kanera 2C1B3c2b	149	180	31
Malkhanpur 2C1B3c2c	154	210	56
Nousara 2C1B3c2d	146	181	35
Bamhauri Beldaran 2C1B3c2e	165	265	100

Slope: Spatial distribution of different slope classes was prepared using Arc GIS. Slope was divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. The dominant slope category in the project were 1-3 per cent (60%) followed by 3-5 per cent (21%).

2.4 Climate

The annual rainfall of the Bundelkhand region varies from 800 to 1300 mm, about 90% of which is received during South-West monsoon period (Singh *et al.* 2002). The major part of the rainfall is received during the month of July and August. The length of growing season in Bundelkhand ranges between 90 to 150 days depending upon rainfall and temperature regimes. The winter rains are erratic, occasional, meager and uncertain. The total rainy days/year vary from 30-45 in the region with an average of 37. The distribution of rainfall is very erratic. Low rainfall and drought are common features. Long dry spells during rainy season are also experienced often, which adversely affect the crops. It has been observed that in a cycle of 5 years, 2 are normal, 2 drought years and 1 is excessive rainfall year (Tiwari *et al.* 1998).

The climate of Mahoba is characterized by a hot dry summer and cold winter and is marked for high variability of rainfall year to year. There are primarily four seasons: – Dry Summer season – from March to May i.e. before advent of monsoon, moist summer season – from June to

September (Monsoon) transition period - in October and November, which is the post monsoon period, and winter season – from December to February The coldest months in the year are December and January. Average monthly rainfall and temperature

Table 2.4: Average monthly rainfall and temperature at IWMP-XX, Mahoba

Month	Rainfall in mm.							Temperature °c		
	2004	2005	2006	2007	2008	2009	2010	Average	Max.	Min.
January	11.1	4.8	0	0.70	0.00	8.80	3.20	4.09	6.5	3.5
February	0	0.4	0	31.40	0.00	0.80	23.60	8.03	11.2	8.4
March	0	13	30.10	17.50	0.00	0.00	0.00	8.66	32.8	21.6
April	10.4	1.8	0	0.10	2.80	2.70	1.80	2.80	38.40	29.7
May	4.6	6.4	22.40	13.90	18.20	12.00	1.40	11.27	45.40	34.2
June	95.3	39.4	50.90	69.50	583.20	8.00	26.80	124.73	47.20	35.1
July	135.9	196.4	170.10	82.30	244.00	189.70	214.60	176.14	46.40	33.60
August	286.6	127.8	80.90	99.90	206.80	181.90	142.60	160.93	42.30	31.70
September	57	106.2	27.50	36.50	90.30	70.50	155.70	77.67	37.40	29.20
October	47.8	0	6.80	0	0.00	57.60	0.10	16.04	34.70	28.50
November	0	0	0	0	24.30	10.30	30.00	9.23	31.40	19.80
December	0	1.4	0.10	0.80	0.00	3.50	2.20	1.14	24.40	9.30

Source: Data site of Agro-meteorological Deptt.

The open pan evaporation varied in the range of 0.5 to 23 mm/day during the year with average of about 5 mm/day. Average relative humidity varied in the range of 25 to 98 per cent, however the range of wind speed is 0.9 to 16 kmph. The details of flood and drought in the project area are showed in Table 2.5.

Table 2.5: Details of flood and drought in the project area (IWMP-XX, Mahoba)Project IWMP- XX

Name of Micro Watershed	Particulars	Villages	Periodicity		Not affected
			Annual	Any other (please specify)	
Gyori Barai Padoura Pupwara Patha Keeratpur Natarra Behari Rivai Kanera Malkhanpur Nousara Bamhauri Beldaran	Flood	No. of villages: 29 Name(s) of villages	- -	- -	- -
	Drought	No. of villages- 29 Name of Village: Jarauli, Andhauara, Tisauni, Pratistha, Ragaul, Guda, Lihipuri, Akthauha, Rainpur, Asthaun, Charkhari, Asthaun, Chedimu, Luhari, Rampura kadeem, Udayapura, Ghutwai	-	-	twice in 5 years however, the region experienced severe drought during 2004-2007 and 2009 & 2010 were deficit by about 17 to 20 per cent

CHAPTER – 3

BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

Participatory rural appraisal (PRA) is a tool to appraise the socio-economic conditions along with all kind of resources available in the watershed through the active participation of the villagers. There are several tools and techniques of PRA. The PRA including house hold survey of Gyori, Barai, Padoura, Pupwara, Patha, Keeratpura, Natarra, Behari, Rivai, Kanera, Malkhanpur, Nousara and Bamhauri Beldaran micro-watershed was conducted by PIA and described in the subsequent sections.

3.1. Social-Economic Analysis

It is apparent from the social profile that the micro-watershed is inhabited by different caste and class. About 19 per cent of the population is scheduled caste. Population details of the IWMP-XX are depicted in Table 3.1. In general 8.5 per cent population migrate from the project area due to drought and earn more money, however, migration was more than 50 per cent during 2007-08 due to continuous drought from 2004 to 2007 in the region. Majority of population migrate to New Delhi, Haryana and Punjab during drought. The scenario of migration, infrastructure and common properties resources available in the project was analysed through house hold survey and is depicted in Table 3.2, 3.3 and 3.4, respectively.

Table 3.1: Demographic Features in the project area (IWMP-XX, Mahoba)

Sr. No.	Name of Micro Watershed	Name of village	Total Population			Population of SC/ST		
			Total	Male	Female	Total	Male	Female
1	2	3	4	5	6	7	8	9
1	Gyori 2C1B3b3c	Gyori	3210	1669	1541	609	317	292
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	1605	834	771	304	158	146
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	2410	1253	1157	457	238	219
4	Pupwara 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya	1580	821	759	300	156	144
5	Patha 2C1B3h2d	Pupwara, Patha,	1825	949	876	346	180	166

		Rihuniya, Gudhari						
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauly, Kurara Bajpai	1980	1029	951	376	195	181
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	1625	845	780	308	160	148
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	1975	1027	948	375	195	180
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	2340	1216	1124	444	231	213
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	1950	1014	936	370	192	178
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	1975	1027	948	375	195	180
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	1500	780	720	285	148	137
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	2150	1118	1032	408	212	196
Total (MWS) Area			26125	13582	12543	4957	2577	2380

Table 3.2: Details of land holding pattern in IWMP-XX, Mahoba

Sr. No.	Names MWS with code	Name of Village	Type of Farmer	No. of households	No. of BPL households	Land holding (ha)		
						Irrigated (life saving)	Rainfed	Total
1	Gyori 2C1B3b3c	Gyori	(i) Big (above 4 ha.)	55.00	-	97.48	213.27	310.75
			(ii) Medium (2-4 ha.)	178.00	-	66.37	432.03	498.40
			(iii) Small (1-2 ha.)	187.00	-	43.55	199.55	243.10
			(iv) Marginal (0-1ha.)	197.00	-	-	167.75	167.75
			(v) Landless	25.00	25.00	-	-	-
				Total	642.00	222.00	207.40	1012.60
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	(i) Big (above 4 ha.)	28.00	-	48.82	109.38	158.20
			(ii) Medium (2-4 ha.)	90.00	-	33.24	218.76	252.00
			(iii) Small (1-2 ha.)	95.00	-	21.81	101.69	123.50
			(iv) Marginal (0-1ha.)	100.00	-	-	77.30	77.30
			(v) Landless	12.00	12.00	-	-	-
				Total	325.00	112.00	103.87	507.13
3	Pupwara2C1B3h1d	Parora, Gaurhari, Puwara	(i) Big (above 4 ha.)	42.00	-	73.27	164.03	237.30
			(ii) Medium (2-4 ha.)	130.00	-	49.88	314.12	364.00
			(iii) Small	141.00	-	32.74	150.56	183.30

			(1-2 ha.)					
			(iv) Marginal (0-1ha.)	154.00	154.00	-	132.40	132.40
			(v) Landless	15.00	15.00	-	-	-
			Total	482.00	169.00	155.89	761.11	917.00
4	Pehretha 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya	(i) Big (above 4 ha.)	27.00	-	48.10	104.45	152.55
			(ii) Medium (2-4 ha.)	85.00	-	32.75	205.25	238.00
			(iii) Small (1-2 ha.)	94.00	-	21.49	100.71	122.20
			(iv) Marginal (0-1ha.)	101.00	101.00	-	89.25	89.25
			(v) Landless	9.00	9.00	-	-	-
			Total	316.00	110.00	102.34	499.66	602.00
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	(i) Big (above 4 ha.)	32.00	-	55.45	125.35	180.80
			(ii) Medium (2-4 ha.)	98.00	-	37.75	236.65	274.40
			(iii) Small (1-2 ha.)	100.00	-	24.78	105.22	130.00
			(iv) Marginal (0-1ha.)	123.00	123.00	-	108.80	108.80
			(v) Landless	12.00	12.00	-	-	-
			Total	365.00	135.00	117.98	576.02	694.00
6	Keeratpura 2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauriya, Kurara bajpai	(i) Big (above 4 ha.)	35.00	-	60.24	137.51	197.75
			(ii) Medium (2-4 ha.)	104.00	-	41.02	250.18	291.20
			(iii) Small (1-2 ha.)	116.00	-	26.92	123.88	150.80

			(iv) Marginal (0-1ha.)	126.00	-	114.25	114.25
			(v) Landless	15.00	15.00	-	-
			Total		396.00	141.00	128.18
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	(i) Big (above 4 ha.)	28.00	-	49.38	107.42
			(ii) Medium (2-4 ha.)	88.00	-	33.62	212.78
			(iii) Small (1-2 ha.)	96.00	-	22.06	102.74
			(iv) Marginal (0-1ha.)	103.00	103.00	-	90.00
			(v) Landless	10.00	10.00	-	-
			Total		325.00	113.00	105.06
8	Sijaura 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	(i) Big (above 4 ha.)	34.00	-	60.24	131.86
			(ii) Medium (2-4 ha.)	105.00	-	41.02	252.98
			(iii) Small (1-2 ha.)	114.00	-	26.92	132.68
			(iv) Marginal (0-1ha.)	127.00	127.00	-	108.30
			(v) Landless	15.00	15.00	-	-
			Total		395.00	142.00	128.18
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	(i) Big (above 4 ha.)	45.00	-	71.11	183.14
			(ii) Medium (2-4 ha.)	123.00	-	48.42	302.13
			(iii) Small (1-2 ha.)	133.00	-	31.77	141.13
			(iv) Marginal	149.00	149.00	-	112.30
							112.30

			(0-1ha.)					
			(v) Landless	18.00	18.00	-	-	-
			Total	468.00	167.00	151.30	738.70	890.00
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapuri, Kanera,Bamnetha	(i) Big (above 4 ha.)	35.00	-	59.13	138.62	197.75
			(ii) Medium (2-4 ha.)	99.00	-	40.26	241.89	282.15
			(iii) Small (1-2 ha.)	111.00	-	26.42	128.98	155.40
			(iv) Marginal (0-1ha.)	131.00	131.00	-	104.70	104.70
			(v) Landless	14.00	14.00	-	-	-
			Total	390.00	145.00	125.80	614.20	740.00
11	Berikhera 2C1B3c2c	Malkhanpur , Berikheda	(i) Big (above 4 ha.)	30.00	-	60.00	110.10	170.10
			(ii) Medium (2-4 ha.)	105.00	-	40.85	261.55	302.40
			(iii) Small (1-2 ha.)	121.00	-	26.81	136.54	163.35
			(iv) Marginal (0-1ha.)	131.00	131.00	-	115.15	115.15
			(v) Landless	8.00	8.00	-	-	-
			Total	395.00	139.00	127.67	623.33	751.00
12	Jataura 2C1B3c2d	Imlikheda, Bamnetha, Jataura	(i) Big (above 4 ha.)	25.00	-	45.38	95.87	141.25
			(ii) Medium (2-4 ha.)	79.00	-	30.90	190.30	221.20
			(iii) Small (1-2 ha.)	87.00	-	20.28	101.52	121.80
			(iv) Marginal (0-1ha.)	102.00	102.00	-	83.75	83.75

			(v) Landless	7.00	7.00	-	-	-
			Total	300.00	109.00	96.56	471.44	568.00
13	Bamhauri Beldaran 2C1B3c2e	Jordan ganj, Bamhauri Beldaran	(i) Big (above 4 ha.)	38.00	-	65.20	151.02	216.22
			(ii) Medium (2-4 ha.)	112.00	-	44.39	271.45	315.84
			(iii) Small (1-2 ha.)	126.00	-	29.13	134.67	163.80
			(iv) Marginal (0-1ha.)	140.00	140.00	-	120.14	120.14
			(v) Landless	14.00	14.00	-	-	-
			Total	430.00	154.00	138.72	677.28	816.00
	Total of project		Grand Total	5229.00	1858.00	1688.95	8246.05	9935.00

Table 3.3: Details of migration from Project area (IWMP-XX, Mahoba): Pre-project status

Sl. No.	Names of Watershed	Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)
1	Gyori 2C1B3b3c	Gyori	187	120-180	Drought / Earn money	500-1100 Km	Labour	0.25-0.40
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	140	120-180	-do-	500-1100 Km	Labour	0.25-0.40
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	117	120-180	-do-	500-1100 Km	Labour	0.25-0.40
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	69	120-180	-do-	500-1100 Km	Labour	0.25-0.40
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	93	120-180	-do-	500-1100 Km	Labour	0.25-0.40
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauliy, Kurara Bajpai	99	120-180	-do-	500-1100 Km	Labour	0.25-0.40
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra,	72	120-180	-do-	500-1100 Km	Labour	0.25-0.40

		Bamrara, Jataura						
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	89	120-180	-do-	500-1100 Km	Labour	0.25-0.40
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	117	120-180	-do-	500-1100 Km	Labour	0.25-0.40
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	81	120-180	-do-	500-1100 Km	Labour	0.25-0.40
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	91	120-180	-do-	500-1100 Km	Labour	0.25-0.40
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	71	120-180	-do-	500-1100 Km	Labour	0.25-0.40
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	95	120-180	-do-	500-1100 Km	Labour	0.25-0.40
	Total (MWS) Area		1321					

Table 3.4: Details of infrastructure in IWMP-XX, Mahoba

Sr. No.	Name of Micro Watershed	Parameters		Status			
1	IWMP-XX	(i)	Name of villages connected to the main road by an all-weather road	Mahoba to Kharela, Rewai to Kabrai			
		(ii)	Village's Name provided with electricity	All villages			
		(iii)	No. of households without access to drinking water	About 70 per cent house holds depends on others' source of drinking water			
		(iv)	No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI)	(P) 31	(S) 07	(HS) 02	(VI) -
		(v)	Names of villages with access to Primary Health Centre	Rewai			
		(vi)	Names of villages with access to Veterinary Dispensary	N.A			
		(vii)	Names of villages with access to Post Office	02			
		(viii)	Names of villages with access to Banks	02			
		(ix)	Names of villages with access to Markets/ mandis	01			
		(x)	Names of villages with access to Agro-industries	N.A			
		(xi)	Total quantity of surplus milk/ deficit	-			
		(xii)	No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O))	(U) -	(S) -	(PA) -	(O) 03
		(xiii)	Name of villages with access to Anganwadi Centre	At each Gram Panchayat			
		(xiv)	Community centre, Panchayat Ghar	Available			

Table 3.5: Details of common property resources In IWMP-XX, Mahoba

S. No.	Names of Project	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. persons	Govt. Revenue	PRI	Any other (Pl. Specify)	Pvt. persons	Govt. (specify dept.)	PRI	Any other (Pl. Specify)
IWMP-XX	(i) Wasteland/ degraded land	444.27		56.17			444.27		56.17	
	(ii) Pastures	-	-	-	-	-	-	-	-	-
	(iii) Orchards	-	-	-	-	-	-	-	-	-
	(iv) Village Woodlot	24.69	-	25.84	-	24.69	-	25.84	-	-
	(v) Forest	-	-	-	-	-	-	-	-	-
	(vi) Village Ponds/ Tanks	-	-	7.15	-	-	-	-	-	-
	(vii) Community Buildings	-	-	40.01	-	-	-	-	-	-
	(viii) Weekly Markets	--	--	-	--	--	--	--	-	--
	(ix) Permanent markets	--	--	--	--	--	--	--	--	--
	(x) Temples/ Places of worship			15.48	--	--	--	--	--	--
	(xi) Habitat, Chakmarg, Sector, Road etc	-	315	-	-	-	-	-	-	-
	GT for IWMP-XX		469	315	137.5	-	469	-	82.01	

3.2 Soil and Land Holding Pattern

Majority of the land of the project is heavy textured soil. Category wise details of farmer and their irrigated area are described in Table 3.6.

Table 3.6: Details of Soil texture in IWMP-XX, Mahoba

Sr. No.	MWS Project	Area in different Soil Group (ha)			Details
		Light textured soil (sand, loamy sand)	Medium textured soil (Sandy loam, loam, silt loam)	Heavy textured soil (Clayey)	
1	Gyori 2C1B3b3c	257.68	463.824	566.896	Purwa, Mar+kabar
2	Barai 2C1B3h1a	161.912	291.442	356.206	
3	Padoura 2C1B3h1d	243.008	437.414	534.618	
4	Pupwara 2C1B3h2c	159.37	286.866	350.614	
5	Patha 2C1B3h2d	183.8	330.84	404.36	
6	Keeratpur2C1B3c3b	199.676	359.417	439.287	
7	Natarra 2C1B3c3c	163.642	294.556	360.012	
8	Behari 2C1B3c3e	199.64	359.352	439.208	
9	Rivai 2C1B3c1c	235.832	424.498	518.83	
10	Kanera 2C1B3c2b	196.152	353.074	431.534	
11	Malkhanpur 2C1B3c2c	198.828	357.89	437.422	
12	Nousara 2C1B3c2d	150.46	270.828	331.012	
13	Bamhauri Beldaran 2C1B3c2e	216.086	388.955	475.389	
	Total	2566.09	4618.95	5645.39	12830.4

3.3 Major Crops, its Productivity and Production

Micro-watershed wise grown crops, their productivity and production under irrigated and rainfed condition is given in Table 3.5. As far as productivity of cereals is concerned, it is significantly lower than the state and national average. Micro-watershed wise cropping intensity varied from 108.24 to 122.05 per cent with 118.15 per cent for the project.

**Table 3.7: Micro-watershed wise details of Crops, their Productivity and Production in IWMP-XXI, Mahoba
Name of MWS - Gyori (2C1B3b3c)**

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
		Irrigated	Rainfed	Irrigated	Rainfed.	Grain/Main product	Fodder/Fuel/ Other Product.	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	169.35	0.00	3.70	0.00	626.60	0.00	1253.19
2	Moong	0.00	30.63	0.00	3.40	0.00	104.14	0.00	187.46
3	Arhar	0.00	45.69	0.00	5.80	0.00	265.00	0.00	45.05
4	Sorghum	0.00	16.35	0.00	6.40	0.00	104.64	0.00	481.34
5	Til	0.00	162.34	0.00	2.10	0.00	340.91	0.00	647.74
	Total		424.36				1441.29		8001.17
B	Rabi								
1	Wheat	207.40	20.15	27.00	14.50	5599.80	292.18	5879.79	289.25
2	Masoor	0.00	35.69	0.00	13.60	0.00	485.38	0.00	480.53
3	Gram	0.00	172.36	0.00	5.10	0.00	879.04	0.00	7720.24
4	Pea	0.00	415.36	0.00	6.20	0.00	2575.23	0.00	2472.22
5	Mustard	0.00	45.26	0.00	7.80	0.00	353.03	0.00	1235.60
	Total	207.40	688.82			5599.80	4584.86	5879.79	12197.84
C	Zaid								
	Nil								
	Cultivable Area	1220.00	Cropping Intensity		108.24				

Name of MWS - Barai 2C1B3h1a

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	94.64	0.00	3.70	0.00	350.17	0.00	700.34
2	Moong	0.00	19.47	0.00	3.40	0.00	66.20	0.00	119.16
3	Arhar	0.00	31.49	0.00	5.80	0.00	182.64	0.00	31.05
4	Sorghum	0.00	16.34	0.00	6.40	0.00	104.58	0.00	481.05
5	Til	0.00	87.64	0.00	2.10	0.00	184.04	0.00	349.68
	Total		249.58				887.63		8001.17
B	Rabi								
1	Wheat	103.87	10.24	27.00	14.50	2804.49	148.48	2944.71	147.00
2	Masoor	0.00	29.64	0.00	13.60	0.00	403.10	0.00	399.07
3	Gram	0.00	101.35	0.00	5.10	0.00	516.89	0.00	7720.24
4	Pea	0.00	201.34	0.00	6.20	0.00	1248.31	0.00	1198.38
5	Mustard	0.00	28.34	0.00	7.80	0.00	221.05	0.00	773.68
	Total	103.87	370.91			2804.49	2537.83	2944.71	10238.37
C	Zaid								
	Nil								
	Cultivable Area	611.00		Cropping Intensity	118.55				

Name of MWS - Padoura 2C1B3h1d

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	159.48	0.00	3.70	0.00	590.08	0.00	1180.15
2	Moong	0.00	25.63	0.00	3.40	0.00	87.14	0.00	156.86
3	Arhar	0.00	58.64	0.00	5.80	0.00	340.11	0.00	57.82
4	Sorghum	0.00	14.32	0.00	6.40	0.00	91.65	0.00	421.58
5	Til	0.00	149.34	0.00	2.10	0.00	313.61	0.00	595.87
	Total		407.41				1422.59		8001.17
B	Rabi								
1	Wheat	155.89	8.49	27.00	14.50	4209.03	123.11	4419.48	121.87
2	Masoor	0.00	26.49	0.00	13.60	0.00	360.26	0.00	356.66
3	Gram	0.00	112.15	0.00	5.10	0.00	571.97	0.00	7720.24
4	Pea	0.00	381.59	0.00	6.20	0.00	2365.86	0.00	2271.22
5	Mustard	0.00	27.14	0.00	7.80	0.00	211.69	0.00	740.92
	Total	155.89	555.86			4209.03	3632.88	4419.48	11210.92
C	Zaid								
	Nil								
	Cultivable Area	917.00		Cropping Intensity	122.05				

Name of MWS - Pupwara 2C1B3h2c

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	94.16	0.00	3.70	0.00	348.39	0.00	696.78
2	Moong	0.00	16.32	0.00	3.40	0.00	55.49	0.00	99.88
3	Arhar	0.00	45.38	0.00	5.80	0.00	263.20	0.00	44.74
4	Sorghum	0.00	11.34	0.00	6.40	0.00	72.58	0.00	333.85
5	Til	0.00	93.68	0.00	2.10	0.00	196.73	0.00	373.78
	Total		260.88				936.39		8001.17
B	Rabi								
1	Wheat	102.34	6.49	27.00	14.50	2763.18	94.11	2901.34	93.16
2	Masoor	0.00	22.35	0.00	13.60	0.00	303.96	0.00	300.92
3	Gram	0.00	98.32	0.00	5.10	0.00	501.43	0.00	7720.24
4	Pea	0.00	198.34	0.00	6.20	0.00	1229.71	0.00	1180.52
5	Mustard	0.00	23.94	0.00	7.80	0.00	186.73	0.00	653.56
	Total	102.34	349.44			2763.18	2315.94	2901.34	9948.41
C	Zaid								
	Nil								
	Cultivable Area	602.00		Cropping Intensity	118.38				

Name of MWS - Patha 2C1B3h2d

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	132.30	0.00	3.70	0.00	489.50	0.00	979.00
2	Moong	0.00	19.48	0.00	3.40	0.00	66.22	0.00	119.19
3	Arhar	0.00	40.96	0.00	5.80	0.00	237.59	0.00	40.39
4	Sorghum	0.00	6.04	0.00	6.40	0.00	38.67	0.00	177.88
5	Til	0.00	124.22	0.00	2.10	0.00	260.87	0.00	495.65
	Total		323.00				1092.84		8001.17
B	Rabi								
1	Wheat	117.98	6.26	27.00	14.50	3185.46	90.74	3344.73	89.83
2	Masoor	0.00	18.75	0.00	13.60	0.00	255.04	0.00	252.49
3	Gram	0.00	84.80	0.00	5.10	0.00	432.47	0.00	7720.24
4	Pea	0.00	265.48	0.00	6.20	0.00	1645.98	0.00	1580.14
5	Mustard	0.00	15.91	0.00	7.80	0.00	124.07	0.00	434.23
	Total	117.98	391.20			3185.46	2548.29	3344.73	10076.93
C	Zaid								
	Nil								
	Cultivable Area	694.00		Cropping Intensity	119.91				

Name of MWS – Keeratpur 2C1B3c3b

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	135.78	0.00	3.70	0.00	502.38	0.00	1004.76
2	Moong	0.00	19.99	0.00	3.40	0.00	67.96	0.00	122.32
3	Arhar	0.00	42.04	0.00	5.80	0.00	243.84	0.00	41.45
4	Sorghum	0.00	10.38	0.00	6.40	0.00	66.43	0.00	305.59
5	Til	0.00	127.49	0.00	2.10	0.00	267.73	0.00	508.69
	Total		335.68				1148.34		8001.17
B	Rabi								
1	Wheat	128.18	11.24	27.00	14.50	3460.86	162.98	3633.90	161.35
2	Masoor	0.00	21.43	0.00	13.60	0.00	291.48	0.00	288.56
3	Gram	0.00	88.84	0.00	5.10	0.00	453.06	0.00	7720.24
4	Pea	0.00	295.35	0.00	6.20	0.00	1831.17	0.00	1757.92
5	Mustard	0.00	18.80	0.00	7.80	0.00	146.62	0.00	513.19
	Total	128.18	435.66			3460.86	2885.31	3633.90	10441.26
C	Zaid								
	Nil								
	Cultivable Area	754.00		Cropping Intensity	119.30				

Name of MWS - Natarra 2C1B3c3c

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	110.02	0.00	3.70	0.00	407.06	0.00	814.11
2	Moong	0.00	16.20	0.00	3.40	0.00	55.06	0.00	99.11
3	Arhar	0.00	34.06	0.00	5.80	0.00	197.58	0.00	33.59
4	Sorghum	0.00	6.18	0.00	6.40	0.00	39.55	0.00	181.94
5	Til	0.00	103.30	0.00	2.10	0.00	216.93	0.00	412.17
	Total		269.76				916.18		8001.17
B	Rabi								
1	Wheat	105.06	8.64	27.00	14.50	2836.62	125.28	2978.45	124.03
2	Masoor	0.00	18.47	0.00	13.60	0.00	251.19	0.00	248.68
3	Gram	0.00	66.63	0.00	5.10	0.00	339.80	0.00	7720.24
4	Pea	0.00	248.34	0.00	6.20	0.00	1539.71	0.00	1478.12
5	Mustard	0.00	22.34	0.00	7.80	0.00	174.25	0.00	609.88
	Total	105.06	364.42			2836.62	2430.23	2978.45	10180.95
C	Zaid								
	Nil								
	Cultivable Area	618.00		Cropping Intensity	119.62				

Name of MWS - Behari 2C1B3c3e

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	132.30	0.00	3.70	0.00	489.50	0.00	979.00
2	Moong	0.00	19.48	0.00	3.40	0.00	66.22	0.00	119.19
3	Arhar	0.00	40.96	0.00	5.80	0.00	237.59	0.00	40.39
4	Sorghum	0.00	12.64	0.00	6.40	0.00	80.90	0.00	372.12
5	Til	0.00	124.22	0.00	2.10	0.00	260.87	0.00	495.65
	Total		329.60				1135.07		8001.17
B	Rabi								
1	Wheat	128.18	16.49	27.00	14.50	3460.86	239.11	3633.90	236.71
2	Masoor	0.00	26.48	0.00	13.60	0.00	360.13	0.00	356.53
3	Gram	0.00	89.63	0.00	5.10	0.00	457.11	0.00	7720.24
4	Pea	0.00	250.31	0.00	6.20	0.00	1551.92	0.00	1489.85
5	Mustard	0.00	29.64	0.00	7.80	0.00	231.19	0.00	809.17
	Total	128.18	412.55			3460.86	2839.46	3633.90	10612.50
C	Zaid								
	Nil								
	Cultivable Area	754.00		Cropping Intensity	115.43				

Name of MWS - Rivai 2C1B3c1c

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	142.15	0.00	3.70	0.00	525.96	0.00	1051.91
2	Moong	0.00	36.85	0.00	3.40	0.00	125.29	0.00	225.52
3	Arhar	0.00	55.36	0.00	5.80	0.00	321.09	0.00	54.58
4	Sorghum	0.00	16.34	0.00	6.40	0.00	104.58	0.00	481.05
5	Til	0.00	130.24	0.00	2.10	0.00	273.50	0.00	519.66
	Total		380.94				1350.41		8001.17
B	Rabi								
1	Wheat	151.30	18.26	27.00	14.50	4085.10	264.77	4289.36	262.12
2	Masoor	0.00	36.23	0.00	13.60	0.00	492.73	0.00	487.80
3	Gram	0.00	103.15	0.00	5.10	0.00	526.07	0.00	7720.24
4	Pea	0.00	341.02	0.00	6.20	0.00	2114.32	0.00	2029.75
5	Mustard	0.00	33.65	0.00	7.80	0.00	262.47	0.00	918.65
	Total	151.30	532.31			4085.10	3660.36	4289.36	11418.56
C	Zaid								
	Nil								
	Cultivable Area	890.00		Cropping Intensity	119.61				

Name of MWS - Kanera 2C1B3c2b

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	125.33	0.00	3.70	0.00	463.74	0.00	927.47
2	Moong	0.00	18.45	0.00	3.40	0.00	62.73	0.00	112.91
3	Arhar	0.00	38.81	0.00	5.80	0.00	225.09	0.00	38.26
4	Sorghum	0.00	18.48	0.00	6.40	0.00	118.27	0.00	544.05
5	Til	0.00	117.68	0.00	2.10	0.00	247.14	0.00	469.56
	Total		318.76				1116.96		8001.17
B	Rabi								
1	Wheat	125.80	15.38	27.00	14.50	3396.60	223.01	3566.43	220.78
2	Masoor	0.00	27.64	0.00	13.60	0.00	375.90	0.00	372.14
3	Gram	0.00	77.13	0.00	5.10	0.00	393.34	0.00	7720.24
4	Pea	0.00	294.16	0.00	6.20	0.00	1823.79	0.00	1750.84
5	Mustard	0.00	28.95	0.00	7.80	0.00	225.81	0.00	790.34
	Total	125.80	443.26			3396.60	3041.86	3566.43	10854.34
C	Zaid								
	Nil								
	Cultivable Area	740.00		Cropping Intensity	119.97				

Name of MWS - Malkhanpur 2C1B3c2c

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	131.60	0.00	3.70	0.00	486.92	0.00	973.85
2	Moong	0.00	19.37	0.00	3.40	0.00	65.87	0.00	118.56
3	Arhar	0.00	40.75	0.00	5.80	0.00	236.34	0.00	40.18
4	Sorghum	0.00	13.49	0.00	6.40	0.00	86.34	0.00	397.15
5	Til	0.00	123.57	0.00	2.10	0.00	259.49	0.00	493.04
	Total		328.78				1134.96		8001.17
B	Rabi								
1	Wheat	127.67	16.35	27.00	14.50	3447.09	237.08	3619.44	234.70
2	Masoor	0.00	23.68	0.00	13.60	0.00	322.05	0.00	318.83
3	Gram	0.00	89.36	0.00	5.10	0.00	455.74	0.00	7720.24
4	Pea	0.00	284.32	0.00	6.20	0.00	1762.78	0.00	1692.27
5	Mustard	0.00	22.38	0.00	7.80	0.00	174.56	0.00	610.97
	Total	127.67	436.09			3447.09	2952.21	3619.44	10577.02
C	Zaid								
	Nil								
	Cultivable Area	751.00		Cropping Intensity	118.85				

Name of MWS - Nousara 2C1B3c2d

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	100.27	0.00	3.70	0.00	370.99	0.00	741.98
2	Moong	0.00	14.76	0.00	3.40	0.00	50.18	0.00	90.33
3	Arhar	0.00	31.05	0.00	5.80	0.00	180.07	0.00	30.61
4	Sorghum	0.00	8.65	0.00	6.40	0.00	55.36	0.00	254.66
5	Til	0.00	94.15	0.00	2.10	0.00	197.71	0.00	375.65
	Total		248.87				854.31		8001.17
B	Rabi								
1	Wheat	96.56	9.31	27.00	14.50	2607.12	135.00	2737.48	133.65
2	Masoor	0.00	16.48	0.00	13.60	0.00	224.13	0.00	221.89
3	Gram	0.00	60.17	0.00	5.10	0.00	306.85	0.00	7720.24
4	Pea	0.00	212.03	0.00	6.20	0.00	1314.59	0.00	1262.00
5	Mustard	0.00	17.92	0.00	7.80	0.00	139.78	0.00	489.22
	Total	96.56	315.91			2607.12	2120.33	2737.48	9826.99
C	Zaid								
	Nil								
	Cultivable Area	568.00		Cropping Intensity	116.43				

Name of MWS - Bamhauri Beldaran 2C1B3c2e

S.No	Crop	Area in (Ha.)		Productivity q./Ha		Production (q.)			
						Grain/Main product		Fodder/Fuel/ Other Product.	
		Irrigated	Rainfed	Irrigated	Rainfed.	Irrigated	Rainfed	Irrigated	Rainfed
A	Kharif								
1	Urd	0.00	142.74	0.00	3.70	0.00	528.14	0.00	1056.29
2	Moong	0.00	21.01	0.00	3.40	0.00	71.44	0.00	128.60
3	Arhar	0.00	44.20	0.00	5.80	0.00	256.35	0.00	43.58
4	Sorghum	0.00	18.34	0.00	6.40	0.00	117.38	0.00	539.93
5	Til	0.00	134.03	0.00	2.10	0.00	281.46	0.00	534.78
	Total		360.32				1254.77		8001.17
B	Rabi								
1	Wheat	138.72	23.69	27.00	14.50	3745.44	343.51	3932.71	340.07
2	Masoor	0.00	46.85	0.00	13.60	0.00	637.16	0.00	630.79
3	Gram	0.00	65.24	0.00	5.10	0.00	332.72	0.00	7720.24
4	Pea	0.00	301.20	0.00	6.20	0.00	1867.44	0.00	1792.74
5	Mustard	0.00	39.84	0.00	7.80	0.00	310.75	0.00	1087.63
	Total	138.72	476.82			3745.44	3491.58	3932.71	11571.47
C	Zaid								
	Nil								
	Cultivable Area	816.00		Cropping Intensity	119.59				

It was observed that the productivity of wheat, gram, mustard, arhar and linseed was about 66, 37, 33, 49 and 26 per cent, respectively, less than the average (last 10 years- Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation) productivity of the state of Uttar Pradesh.

Table 3.8: Food, fodder and fuel production in the project area (IWMP-XX, District- Mahoba)

Summary	Unit	Production During Kharif	Production during Rabi	Total Production	Remarks
Food Production (Atlas.)					
Cereals	Quintal	4267.40	48080.98	52348.38	-
Pulses	Quintal	7123.35	33799.80	40923.15	-
Oilseed	Quintal	3301.00	2762.01	6063.01	-
Grand Total	Quintal	14691.75	84642.79	99334.53	-
-					
Fodder Production (Atlas.)					
Dry Fodder	Quintal	280843.76			-
Green Fodder	Quintal	0.00			-
Fuel Production					
Arhar+Mustard+Til Plants	Quintal	10208.74			-
Over all Cropping Intensity	118.15				

3.4 Agroforestry and Horticulture

There is no systematic agroforestry and orchard in the project area, however, few scattered trees of desi ber, aonla, guava, kathal, etc. was found in the micro-watersheds which is consumed locally (Table 3.7).

Table 3.9: Horticulture Status

S. N.	Name of micro watershed with code	Name of village	Name of Important horticultural crop						
			Orchard				Scattered Fruit Crop		
			Name	Area ha.	Productivity qtl/ha	Production qtls	No.	Productivity qtl/No.	Production qtls
1	Gyori 2C1B3b3c	Gyori	-	-	-	-	102	0.2	20.4
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	-	-	-	-	85	0.21	17.85
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	-	-	-	-	92	0.26	23.92
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	-	-	-	-	80	0.2	16
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	-	-	-	-	88	0.22	19.36
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauliy, Kurara Bajpai	-	-	-	-	89	0.21	18.69
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	-	-	-	-	84	0.24	20.16
8	Behari 2C1B3c3e	Bamhauri kalan,	-	-	-	-	88	0.23	20.24

		Sijaura, Patha							
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	-	-	-	-	90	0.21	18.9
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	-	-	-	-	83	0.23	19.09
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	-	-	-	-	84	0.22	18.48
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	-	-	-	-	70	0.24	16.8
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	-	-	-	-	86	0.23	19.78
Total for IWMP-XX							1019	2.7	229.27
(Scattered fruit plant of Papaya, Kathal, Ber, Aonla, Guava, etc)									

3.5 Livestock and Fisheries

In the name of cattle mainly desi cow are found in the project which productivity is significantly lower than the average productivity of the state. The Details of livestock and its productivity are available in Table 3.8 and 3.9, respectively.

Table 3.10: Livestock Population in IWMP-XX, Mahoba

(All Figures are in No.)

Sr. No . .	Name of Micro watershed with code	Name of Village	Cow		Buffalo		Ox/Bull	Goat	Sheep	Piggeries	Poultry		
			Desi	Crosse d	Desi	Murrah					Broiler	Layer s	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Gyori 2C1B3b3c	Gyori	206	50	100	28	80	385	45	15	-	65	589
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	93	35	49	15	35	192	15	6	-	15	263
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	146	46	73	23	48	289	12	5	-	16	369
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	100	26	47	16	40	189	3	0	-	5	237
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	112	34	54	19	49	219	15	2	-	16	301
6	Keeratpur2C1B3 c3b	Kakun, Sighaura, Keeratpura, Bamhauliy, Kurara Bajpai	122	36	65	14	51	237	16	5	-	18	327
7	Naterra 2C1B3c3c	Pancham pura, Keeratpura, Naterra, Bamrara,	104	26	49	16	40	195	18	4	-	22	279

		Jataura											
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	122	36	60	19	56	237	12	3	-	21	329
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	139	48	73	20	59	280	26	7	-	36	408
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur , Kanera, Bamnetha	117	39	62	16	44	234	14	4	-	22	318
11	Malkhanpur 2C1B3c2c	Malkhanpu , Berikheda	120	38	65	14	55	237	19	5	-	30	346
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	96	24	45	15	35	180	11	4	-	21	251
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	124	48	65	21	58	258	6	0	-	6	328
Total			1601	486	807	236	650	3132	212	60	-	293	4345

Table 3.11: Productivity of livestock in IWMP-XX, Mahoba

SN	Name of Micro watershed with code	Name of Village	Milk Production (Liter Per day)				Goatry	Poultry			
			Cows		Buffalos			Weight in Kg/goat	Broiler Weight in Kg/ Brl	Layers No. of eggs/day	
			Desi	Crossed	Desi	Murrah					
1	Gyori 2C1B3b3c	Gyori	1.3	5.4	2.6	5.6	25.0	-	170		
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	1.3	5.1	3.0	6.8	28.0	-	190		
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	1.2	4.1	2.7	5.9	27.0	-	185		
4	Pupwara 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya	1.4	4.6	2.9	6.7	24.0	-	165		
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	1.3	5.2	3.2	7.0	22.0	-	175		
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauliy, Kurara Bajpai	1.6	5.3	3.5	7.1	25.0	-	180		
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara,	1.5	5.8	3.1	7.1	24.0	-	180		

		Jataura							
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	1.2	4.9	3.3	6.5	28.0	-	190
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	1.5	5.0	2.5	6.4	25.0	-	185
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	1.4	5.1	2.4	5.9	25.0	-	195
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	1.6	5.2	2.6	5.2	27.0	-	200
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	1.2	5.4	2.9	5.6	26.0	-	195
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	1.1	5.6	3.1	5.7	24.0	-	190
Average for IWMP-XX			1.4	5.1	2.9	6.3	25.4	-	185

3.6 Forest and Grassland

There is no grassland available in the project area, however, information on naturally generated/grown degraded forest is given in Table 3.10.

Table 3.12: Forest, vegetative cover/grassland in IWMP-XX, Mahoba

Sr. No.	Name & Code of Micro watershed	Name of Village	Forest (Area ha)			Grassland (Area ha)		Other vegetative cover (Area ha)	
			Reserve	Gram Samaj (Natural /Planted)	Total	Gram Samaj	Private	Gram Samaj	Private
1	2	3	4	5	6	7	8	9	9
1	Gyori 2C1B3b3c	Gyori	-	-	-	6.58	-	1.65	3.65
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	-	-	-	5.65	-	2.31	4.15
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	-	-	-	6.84	-	1.68	2.69
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	-	-	-	7.34	-	2.35	3.65
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	-	-	-	9.1		3.25	3.64
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauli, Kurara Bajpai	-	-	-	4.18	-	2.14	2.48

7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	-	-	-	6.35	-	2.65	4.85
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	-	-	-	7.61	-	1.95	4.71
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	-	-	-	7.68	-	2.31	4.65
10	Kanera 2C1B3c2b	Berikheda, Imlkheda, Sudamapur, Kanera, Bamnetha	-	-	-	6.98		2.01	2.48
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	138.00	-	138.00	8.25	-	2.15	3.54
12	Nousara 2C1B3c2d	Imlkheda, Bamnetha, Jataura	-	-	-	9.14	-	2.58	3.14
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	-	-	-	8.41	-	1.67	2.98
Total for Project IWMP-XX			138.00	-	138.00	87.53	-	28.7	46.61

3.7 Livelihood Status

Assesless/landless people earn their livelihood mainly from labour and *batai*. They were earning about Rs. 3000/per month. It is expected that their income will enhance due to watershed management as it will generate sustained employment opportunity. Intervention based on piggeries, fisheries, black smithy and carpentry was not in practice. Livelihood status of landless, farmers and interventions based livelihood status are shown in Table 3.11, 3.12 and 3.13, respectively.

Table 3.13: Livelihood Status of Landless People

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of house hold engaged					Pre project Average Income/ Year	Desired Activities	Expected Income from desired activities Rs/Year	Remarks
				Sc	St	Other	Women	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Gyori 2C1B3b3c	Gyori	Labour/ Batai	5	-	10	3	18	25,000- 30,000	The landless people can increase their income by adoting one or two activities of goatary, poultry, dairy, technical shop, general store, dona making, Rope making, etc.	50,000- 55,000	Income may be increased by about two times
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai		3	-	8	2	13				
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara		2	-	7	2	11				
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya		1	-	4	1	6				
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari		2	-	6	1	9				
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauli,		3	-	6	2	11				

		Kurara Bajpai										
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura		1	-	4	2	7				
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha		1	-	5	1	7				
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai		2	-	7	2	11				
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha		2	-	5	2	9				
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda		3	-	6	1	10				
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura		1	-	4	1	6				
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran		2	-	5	2	9				
	Total for Project IWMP-XX			28	-	77	22	127	25,000- 30,000	-	50,000- 55,000	-

Table 3.14: Details of Livelihood Status of the Farmers

Sr. No.	Name & Code of micro watershed	Name of Village	Name of Livelihood Activity	No. of House hold engaged					Pre project Average Income	Desired Activities	Expected Income from desired activities	Remarks
				Sc	St	Other	Women	Total				
1	Gyori 2C1B3b3c	Gyori	Agriculture + A.H., Labour, Batai	11	-	570	36	617	40000-50000	Productivity could be enhance through natural resource conservation, livestock management and micro-enterprises	55,000-65,000	Income may be increased by about 30 to 40 per cent
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai		59	-	229	25	313				
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara		88	-	353	26	467				
4	Pupwara 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya		58	-	235	14	307				
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari		67	-	274	12	353				
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauly, Kurara Bajpai		72	-	294	15	381				
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara,		59	-	246	10	315				

		Jataura									
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha		72	-	291	17	380			
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai		85	-	341	24	450			
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha		71	-	287	18	376			
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda		73	-	293	21	387			
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura		55	-	222	16	293			
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran		79	-	322	15	416			
	Total for Project IWMP-XX		-	849	-	3957	249	5055	35000-45000	-	55,000-65,000

Table 3.15: Present Livelihood Status (No. of households/Income per year) in IWMP-XX, Mahoba

'Income in Rs

S. r. N o	Name of MWS with code	Name of village	Activities																		
			Dairy		Poultry		Goatry		Piggerie s		Fisherie s		Black Smithy		Carpent ry		Stitchin g/ knitting		Wages		
			N o	Av. inco me	N o	Av. inco me	N o	Av. inco me	N o	Av. inco me	N o	Av. inco me	N o	Av. inco me	N o	Av. inco me	N o	Av. inco me			
1	Gyori 2C1B3b3c	Gyori	26 4		2 5		38 5		1 9		-	-	2		2		-	-	8 8	42 2	
2	Barai 2C1B3h1a	Kauhar i, Gyori, Barai	19 8		1 8		19 2		1 0		-	-	3		1		-	-	6 6	31 7	
3	Padoura 2C1B3h1d	Parora, Gaurha ri, Puwara	16 5		1 5		28 9		2 8		-	-	1		3		-	-	5 5	26 5	
4	Pupwara 2C1B3h2c	Pupwar a, Kuwan, Pehreth a, Rihuni ya	97		0		18 9		6						2		-	-	3 3	15 7	
5	Patha 2C1B3h2d	Pupwar a, Patha, Rihuni ya, Gudhar	13 0	11,50 0- 13,50	2 4	13,0 00- 400	21 9	20,0 00	2 0	7500- 9000	-	-	2	2000- 4000	4	2500- 4500	-	-	4 4	11,00 0- 13,00	25,00 0- 27,00

		i																	
6	Keeratpur2C 1B3c3b	Kakun, Sighaur a, Keeratp ura, Bamha uliy, Kurara Bajpai	14 1		2 0		23 7		1 8		-	-	1		3		-	4 7	22 3
7	Natarra 2C1B3c3c	Pancha m pura, Keeratp ura, Natarr, Bamrar a, Jataura	10 2		0		19 5		1 7		-	-	2		1		-	3 4	16 3
8	Behari 2C1B3c3e	Bamha uri kalan, Sijaura, Patha	12 6		2 6		23 7		1 2		-	-	1		2			4 2	20 3
9	Rivai 2C1B3c1c	Kauhar ,			3 0		28 0		3 1		-	-	3		2		-	5 5	26 4

1 0	Kanera 2C1B3c2b	Berikhe da, Imlikhe da, Sudam apur, Kanera, Bamnet ha	11 4		1 0		23 4		2 8		-	-	4		3		-	-	3 8		18 1	
1 1	Malkhanpur 2C1B3c2c	Malkha npu, Berikhe da	12 8		5		23 7		0		-	-	2		1		-	-	4 3		20 5	
1 2	Nousara 2C1B3c2d	Imlikhe da, Bamnet ha, Jataura	99		1 5		18 0		1 9		-	-	1		2		-	-	3 3		16 0	
1 3	Bamhauri Beldaran 2C1B3c2e	Jordang anj, Bamha uri Beldara n	13 3		6		25 8		5		-	-	3		1		-	-	4 5		21 4	
Total for Project IWMP-XX				18 60	11,50 0- 13,50 0	1 9	13,0 00- 16,0 00	31	15,0 00- 20,0 00	2 1 3	7500- 9000		3	2000- 4000	2 0	2500- 4500		-	-	11,00 6 2 3	25,00 0- 13,00 0	29 83

3.8 Hydrology, Water resources and Soil and moisture Conservation

Open shallow dug wells are the only means of irrigation in the area and these wells support only for life saving irrigation. In general, irrigation interval is low due to low water holding capacity of the soils. In the name of soil and moisture conservation only field bund Use of micro-irrigation is almost nil in the area. Groundwater status, irrigation status and source are given in Table 3.14, 3.15 and 3.16, respectively.

Table 3.16: Ground Water Status in IWMP-XX, Mahoba

Sr. No.	Name & Code of Micro watershed	Name of Village	Depth of Ground Water Table (Below Ground level) in Meter		No. of Observation well	Remarks
			Before Monsoon	After Monsoon		
1	Gyori 2C1B3b3c	Gyori	Avrg.14.80	Avrg.11.50	15	-
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	Avrg.14.50	Avrg.11.60	06	-
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	Avrg.14.75	Avrg.11.20	09	-
4	Pupwara 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya	Avrg.14.25	Avrg.11.35	07	-
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	Avrg.14.70	Avrg.11.40	08	-
6	Keeratpur2C1B3c3b	Kakun, Sighaura, Keeratpura, Bamhauliy, Kurara Bajpai	Avrg.14.55	Avrg.11.30	05	-
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	Avrg.14.45	Avrg.11.65	08	-
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	Avrg.14.10	Avrg.11.85	09	-
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	Avrg.14.55	Avrg.11.30	05	-
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	Avrg.14.25	Avrg.11.50	04	-
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	Avrg.14.70	Avrg.11.60	06	-
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	Avrg.14.55	Avrg.11.20	05	-
13	Bamhauri Beldaran 2C1B3c2e	Jordanganj, Bamhauri Beldaran	Avrg.14.55	Avrg.11.65	04	-
	Total for Project IWMP-XX		14.25-14.80	11.20-11.80	-	-

Depth of water table in open shallow dug wells in the project area was about 14 to 15 m during pre monsoon, however it was in the range of 11-12 m during post monsoon season.

Table 3.17: Irrigation Status in IWMP-XX, Mahoba

Sr. No .	Name & Micro Watershed with code	Name of Village	Gross Cultivated Area				Net Cultivate d Area	Gross Irrigated Area				Rainfe d Area	
			Kharif	Rabi	Zai d	Total		Khari f	Rabi	Zai d	Total		
1	Gyori 2C1B3b3c	Gyori	424.36	896.22	-	1320.58	1220.00	-	207.40	-	207.40	207.40	1012.60
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	249.58	474.78	-	724.36	611.00	-	103.87	-	103.87	103.87	507.13
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	407.41	711.75	-	1119.16	917.00	-	155.89	-	155.89	155.89	761.11
4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	260.88	451.78	-	712.66	602.00	-	102.34	-	102.34	102.34	499.66
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	323.00	509.18	-	832.175	694.00	-	117.98	-	117.98	117.98	576.02
6	Keeratpur2C1B 3c3b	Kakun, Sighaura, Keeratpur, Bamhauli, Kurara Bajpai	335.68	563.84	-	899.515	754.00	-	128.18	-	128.18	128.18	625.82
7	Natarra	Pancham	269.76	469.48	-	739.233	618.00	-	105.06	-	105.06	105.06	512.94

	2C1B3c3c	pura, Keeratpur, Natarra, Bamrara, Jataura											
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	329.60	540.73	-	870.328	754.00	-	128.18	-	128.18	128.18	625.82
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	380.94	683.61	-	1064.55	890.00	-	151.30	-	151.30	151.30	738.70
10	Kanera 2C1B3c2b	Berikhed, Imlikheda, Sudamap, Kanera, Bamnetha	318.76	569.06	-	887.812	740.00	-	125.80	-	125.80	125.80	614.20
11	Malkhanpur 2C1B3c2c	Malkhanp, Berikheda	328.78	563.76	-	892.54	751.00	-	127.67	-	127.67	127.67	623.33
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	248.87	412.47	-	661.337	568.00	-	96.56	-	96.56	96.56	471.44
13	Bamhauri Beldaran 2C1B3c2e	Jordanga, Bamhauri Beldaran	360.32	615.54	-	975.861	816.00	-	138.72	-	138.72	138.72	677.28
	Total for Project IWMP-XX		4237.93	7462.18	-	11700.1	9935	-	1688.95	-	1688.95	1688.95	8246.05

Table 3.18: Source wise Area Irrigated in IWMP-XX, Mahoba (area in ha)

Sr. No .	Name &Micro watershed with code	Name of Village	Cana l Area	State Tube wells		Tanks		Open well		Bore wells		Lift irrigation		Others (Specify)		Total Irrigate d Area	Re m.
				No .	Area	No.	Are a	No .	Area	No .	Are a	No .	Are a	No .	Area		
1	Gyori 2C1B3b3c	Gyori	-	-	-	3	20.74	44	103.7	5	11.4 1	-	41.48	-	-	207.40	Avai labil ity of wate r from thes e sour ces are mai nly depe ndant upo n rainf all and its distr ibuti on
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	-	-	-	2	10.38 7	25	51.935	3	5.71	-	20.77	-	-	103.87	
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	-	-	-	3	15.58 9	37	77.945	4	8.57	-	31.18	-	-	155.89	
4	Pupwara 2C1B3h2c	Pupwara, Kuwan, Pehretha, Rihuniya	-	-	-	2	10.23 4	27	51.17	3	5.63	-	20.47	-	-	102.34	
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	-	-	-	3	11.79 8	31	58.99	4	6.49	-	23.60	-	-	117.98	
6	Keeratpur 2C1B3c3b	Kakun, Sighaura, Keeratpur, Bamhaulı, Kurara Bajpai	-	-	-	3	12.81 8	30	64.09	4	7.05	-	25.64	-	-	128.18	
7	Natarra 2C1B3c3c	Pancham pura, Keeratpur, Natarra, Bamrara, Jataura	-	-	-	2	10.50 6	24	52.53	3	5.78	-	21.01	-	-	105.06	

8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	-	-	-	3	12.81 8	30	64.09	4	7.05	-	25.64	-	-	128.18	patte rn. Ther efor e, thes e are not assu red sour ce of irrig atio n
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	-	-	-	3	15.13	39	75.65	5	8.32	-	30.26	-	-	151.30	
10	Kanera 2C1B3c2b	Berikhed, Imlikheda, Sudamap, Kanera, Bamnetha	-	-	-	3	12.58	30	62.9	4	6.92	-	25.16	-	-	125.80	
11	Malkhanpur 2C1B3c2c	Malkhanp, Berikheda	-	-	-	3	12.76 7	33	63.835	4	7.02	-	25.53	-	-	127.67	
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	-	-	-	2	9.656	25	48.28	3	5.31	-	19.31	-	-	96.56	
13	Bamhauri Beldaran 2C1B3c2e	Jordanga, Bamhauri Beldaran	-	-	-	3	13.87 2	36	69.36	4	7.63	-	27.74	-	-	138.72	
	Total for Project IWMP-XX		-	-	-	35	168.8 95	41 1	844.47 5	50	92.8 922 5	0	337.7 9	-	-		
																1688.95	

CHAPTER – 4

INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

4.1 Project Implementing Agency

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Agriculture, IWMP-XX, Charkhari, Mahoba, Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by District Watershed Development Unit (DWDU) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently. Most of the staff of PIA has exposure of several watershed projects. In addition the PIA has access for technical backstopping from the ICAR viz. IGFRI and NRCAF at Jhansi and KVK located at Mahoba. Details of PIA are presented in subsequent section.

Table 4.1: Details of Project Implementing Agency (PIA), IWMP-XX, Mahoba

Sr. No.	Particulars of PIA	
(i)	Date of selection of PIA	Soil Conservation Officer, Charkhari
(ii)	Type of organization	U.P. Government
(iii)	Name of organization	Ag. Department
(iv)	Designation & Address	B.S.A. Unit Charkhari
(v)	Telephone	8005174865
(vi)	Fax	
(vii)	E-mail	

Table 4.2: Details of Staff at PIA, IWMP-XX, Mahoba

Sr. No.	Designation	Name	M/F	Qualification	Field of Experience & Period	Remarks
1	B.S.A.	Shri V.K. Sachan	M	M.S.C. Ag.		-
2	S.T.A.	Shri Parasram	M	A.G.+ Civil Eng.	19	-
3	Junior Engineer	Shri Hanusala Prasad Verma	M	Ag. Diploma.	28	-
4	Junior Engineer	Shri Dinesh Pal Singh	M	Ag. Diploma	24	-
5	T.A. (B)	Shri Jagdeesh Prasad	M	Inter And Ag. Diploma.	32	-
6	T.A. (C)	Shri Mithlesh Kumar Mishra	M	B.A. And Ag. Diploma	14	-
7	T.A. (B)	Shri Ramswaroop Verma	M	Inter. Ag. Diploma	34	-
8	T.A. (B)	Shri Teeka Ram Chaudhri	M	High. School Ag. Diploma	314	-
9	T.A. (B)	Shri Mohanlal Verma	M	M.S.C. Ag.	30	-
10	T.A. (C)	Shri Ramhet Rajpoot	M	M.S.C. Ag.	24	-
11	T.A. (C)	Shri K.G. Kushwaha	M	B.S.C. Ag.	31	-
12	T.A. (C)	Shri Chandrabhan Singh	M	M.S.C. Ag.	31	-
13	T.A. (C)	Shri Jalandhar Nath	M	B.S.C. Ag.	29	-
14	T.A. (C)	Shri Jaiveer Singh	M	High School. Diploma	33	-
15	T.A. (C)	Shri Jagdeesh Sahai	M	High School. Diploma	14	-
16	T.A. (C)	Shri Sukhdev Tiwari	M	Inter. Diploma	32	-
17	T.A. (C)	Shri Shivnath Singh	M	B.S.C. Ag.	28	-
18	T.A. (C)	Shri Narendra Singh	M	High School Diploma	32	-
19	T.A. (C)	Shri Narendra kumar	M	M.S.C. Ag.	19	-
20	T.A.(C)	Shri Kaalicharan	M		29	
21	T.A.(C)	Shri Ram Narendra Singh	M	B.S.C. Ag.	31	
22	T.A.(C)	Shri Bihari Lal Mahan	M	B.S.C. Ag.	24	
23	T.A.(C)	Shri Ram Narayan Singh	M	B.S.C. Ag.	28	
24	T.A.(C)	Shri Prem Narayan	M	HighSchool Diploma	19	
25	MaanChitralak	Shri Harishchandra	M	Inter. , I.T.I.	8	
26	Anurekhak	Shri Ajay Kumar	M	Inter.	33	
27	Jeep Chalak	Shri Manikchand Rajpoot	M	B.A.	21	

28	Fourth Class	Smt. Jamuna Devi	F		18	
29	Fourth Class	Rizvaan Ali	M	M.A.	11	
30	Fourth Class	Radhe Shyam	M	High School	21	

Table 4.3: Details of Watershed Development Team (WDT) in the project area

Project- IWMP XX

PIA- BSA, Charkhari, Mahoba

District – Mahoba

Sr. No.	Name of WDT member	M/F	Age	Qualification / Experience	Description of professional training	Role/ Function	Date of appointment of WDT member
1.	Housila Prasad Verma	M	50	Ag. Diploma	All the members are having work experience of watershed management.	WDT members will be accountable for the activities mentioned in Common Guidelines for watershed Development Projects 2008	10.10.2011
2.	Dinesh Singh	M	49	Ag. Diploma			
3.	M.L. Verma	M	54	B.Sc. (Ag)			
4.	Miss. Seema	F	27	M.Sc.			

Table 4.4: Details of Watershed Committee (WC)

Jal Sanrakshan Samiti- Gyodhi, Gram Panchayat: Gyodhi Name of Project:- IWMP XX District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registration as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
1	Gyodh i	6-11-2011	President	M	-	-	✓	-	-	✓	-	-	-	-	8 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	✓	-	-	-	-	-	-	12 th	
			Member	M	✓	-	-	✓	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	✓	-	-	-	✓	-	-	10 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	8 th	
			Member	M	-	-	-	-	-	✓	-	-	-	-	5 th	
			Member	M	-	-	✓	✓	✓	-	-	-	✓	-	Sakchar	
			Member	F	-	-	✓	✓	-	-	-	-	✓	-	Sakchar	
			Member	M	✓	-	-	-	✓	-	✓	-	-	-	5 th	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	Sakchar	
			Member	M	-	-	✓	-	-	-	-	✓	-	✓	Sakchar	

Jal Sanrakshan Samiti- Barai

Gram Panchayat: Barai

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha / GP	Date of Constitution / Registration as a Society (dd/mm/yyyy)	Designation	M/ F	S C	S T	OBC/Gen	S F	M F	L F	Land-less	U G	SH G	G P	Edu-ational qualificatio n	Function(s) assigned
2	Barai	3-11-2011	President	M	-	-	✓	-	-	-	-	-	-	✓	12 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	-	-	-	-	-	-	8 th	
			Member	M	✓	-	-	-	✓	-	-	✓	-	-	-	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	5 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	12 th	
			Member	M	✓	-	-	-	-	✓	-	-	✓	-	10 th	
			Member	M	-	-	✓	✓	-	-	-	✓	-	-	B.A.	
			Member	M	-	-	✓	-	-	-	✓	-	✓	-	5 th	
			Member	M	✓	-	-	-	-	-	✓	-	✓	-	10 th	
			Member	F	-	-	✓	-	-	-	-	✓	-	-	5 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	8 th	

Jal Sanrakshan Samiti- Pupwara

Gram Panchayat: Pupwara

Name of Project: - IWMP-XX District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registratio n as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land-less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
3	Pupwar a	30-11-2011	President	M	-	-	✓	-	✓	-	-	-	-	✓	8 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	B.A.	
			Member	M	-	-	✓	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	10 th	
			Member	F	-	-	-	-	-	✓	-	-	-	✓	5 th	
			Member	M	-	-	✓	-	-	-	✓	-	✓	-	8th	
			Member	M	✓	-	-	✓	-	-	-	✓	-	-	10th	
			Member	F	-	-	✓	-	✓	-	-	-	✓	-	5 th	
			Member	M	✓	-	-	-	-	-	✓	-	-	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	8 th	

Jal Sanrakshan Samiti- Bahari Gram Panchayat: Bahari Name of Project: - IWMP-XX District- Mahoba

Sl. No .	Name of Gram Sabha / GP	Date of Constitution / Registration as a Society (dd/mm/yyyy)	Designation	M/ F	S C	S T	OBC/Gen	S F	M F	L F	Land-less	U G	SH G	G P	Edu-cational qualificatio-n	Function(s) assigned
4	Bahari	16-10-2011	President	M	-	-	✓	-	✓	-	-	-	-	-	12 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	B.A.	
			Member	M	-	-	✓	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	8 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	5 th	
			Member	M	✓	-	-	-	-	-	✓	-	✓	-	10 th	
			Member	F	-	-	✓	-	✓	-	-	-	-	-	5th	
			Member	M	-	-	✓	-	-	-	✓	-	✓	-	8th	
			Member	M	✓	-	-	✓	-	-	-	✓	-	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	10 th	
			Member	F	-	-	✓	✓	-	-	-	✓	-	-	5 th	

Jal Sanrakshan Samiti – Patha

Gram Panchayat: Patha

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha / GP	Date of Constitution / Registration as a Society (dd/mm/yyyy)	Designation	M/ F	S C	S T	OBC/Gen	S F	M F	L F	Land-less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
5	Patha	1-11-2011	President	M	✓	-	-	-	✓	-	-	-	-	✓	10 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	12 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	✓	-	-	-	✓	-	-	8 th	
			Member	M	-	-	✓	-	-	✓	-	✓	-	-	5 th	
			Member	F	-	-	-	-	-	-	✓	-	✓	-	8 th	
			Member	M	✓	-	-	✓	-	-	-	-	-	-	12th	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	B.A.	
			Member	F	✓	-	-	-	-	-	✓	-	✓	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	10 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	12 th	

Jal Sanrakshan Samiti Keeratpura Gram Panchayat: Keeratpura

Name of Project: - IWMP-XX District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registratio n as a Society (dd/mm/yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land-less	U G	SH G	G P	Educa-tional qualificatio n	Function(s) assigned
6	KeeratPur a	3-11-2011	President	M	-	-	√	-	√	-	-	-	-	√	B.A.	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	√	√	-	-	-	√	-	-	10 th	
			Member	M	√	-	-	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	√	√	-	-	-	-	-	-	8 th	
			Member	M	-	-	√	-	-	-	-	√	-	-	5 th	
			Member	F	-	-	-	-	√	-	-	√	-	-	5 th	
			Member	M	√	-	-	√	-	-	-	-	-	√	10 th	
			Member	M	-	-	√	-	√	-	-	√	-	-	12 th .	
			Member	M	-	-	√	-	-	√	-	-	-	-	8 th	
			Member	F	-	-	√	-	-	-	√	-	√	-	5 th	
			Member	M	√	-	-	-	-	-	√	-	√	-	10 th	

Jal Sanrakshan Samiti- Natarra

Gram Panchayat: Natarra

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registration as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
7	Natarra	29-10-2011	President	M	-	-	✓	-	✓	-	-	✓	-	✓	B.A.	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	-	-	-	10 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	8 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	10 th	
			Member	M	✓	-	-	✓	-	-	-	✓	-	-	5 th	
			Member	M	-	-	✓	-	-	✓	-	-	-	-	12 th	
			Member	F	-	-	✓	✓	-	-	-	✓	-	-	5 th .	
			Member	M	-	-	✓	-	-	-	✓	-	✓	-	12 th	
			Member	M	✓	-	-	-	-	-	✓	-	✓	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	10 th	

Jal Sanrakshan Samiti – Rivai

Gram Panchayat: Rivai

Name of Project: - IWMP-XX District- Mahoba

Sl. No .	Name of Gram Sabha / GP	Date of Constitution / Registration as a Society (dd/mm/yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
8	Rivai	23-10-2011	President	M	-	-	✓	-	✓	-	-	✓	-	✓	8 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	10 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	12 th	
			Member	M	✓	-	-	-	-	-	✓	-	✓	-	5 th	
			Member	M	-	-	-	✓	-	✓	-	✓	-	-	8 th	
			Member	F	-	-	✓	-	-		✓	-	✓	-	5 th	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	10 th	
			Member	M	-	-	✓	-	✓	-	-	✓	-	✓	8 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	5 th	
			Member	M	✓	-	-	✓	-	-	-	✓	-	-	8 th	

Jal Sanrakshan Samiti – Kanera

Gram Panchayat: Kanera

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registration as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
9	Kanera	4-11-2011	President	M	-	-	✓	-	✓	-	-	✓	-	✓	B.A.	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	8 th	
			Member	M	✓	-	-	-	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	-	-	✓	-	✓	-	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	✓	8 th	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	8 th	
			Member	M	-	-	✓	-	-	✓	-	-	-	-	5 th	
			Member	M	-	-	✓	✓	-	-	-	✓	✓	-	10 th	
			Member	M	-	-	✓	-	✓	-	-	-	-	✓	8 th	
			Member	M	✓	-	-	-	-	-	✓	-	✓	-	5 th	
			Member	F	-	-	✓	✓	-	-	-	✓	-	-	5 th	

Jal Sanrakshan Samiti- Nausara

Gram Panchayat: Nausara

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registratio n as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land-less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
10	Nausara	4-11-2011	President	M	-	-	✓	-	✓	-	-	-	-	✓	10 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	-	✓	-	-	✓	-	-	12 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	B.S.C. Ag.	
			Member	M	-	-	✓	✓	-	-	-	✓	-	-	8 th	
			Member	M	-	-	✓	-	-	✓	-	✓	-	-	10 th	
			Member	M	✓	-	-	-	✓	-	-	✓	-	✓	5 th	
			Member	M	-	-	✓	-	-	✓	-	✓	-	-	8 th	
			Member	F	-	-	✓	-	-	-	✓	-	✓	-	5 th .	
			Member	M	-	-	✓	-	✓	-	-	-	-	-	8 th	
			Member	M	✓	-	-	✓	-	-	-	✓	-	-	5 th	
			Member	M	-	-	✓	-	✓	-	-	✓	-	-	10 th	

Jal Sanrakshan Samiti - Bamhauri Beldaran,

Gram Panchayat: Supa

Name of Project: - IWMP-XX

District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registratio n as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Educa-tional qualificatio n	Function(s) assigned
11	Bamhau ri Beldaran	2-11-2011	President	M	-	-	√	-	√	-	-	√	-	√	12 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	√	-	√	-	-	√	-	-	10 th	
			Member	M	√	-	-	-	-	-	-	-	-	-	B.S.C. Ag.	
			Member	M	-	-	√	-	√	-	-	√	-	-	8 th	
			Member	M	√	-	√	-	-	√	-	√	-	-	5 th	
			Member	M	-	-	-	-	-	-	√	-	√	-	10 th	
			Member	M	-	-	√	-	√	-	-	-	-	-	8 th	
			Member	M	-	-	√	√	-	-	-	√	-	-	12 th .	
			Member	F	-	-	√	√	-	-	-	-	√	-	8 th	
			Member	M	√	-	-	-	-	-	√	-	√	-	5 th	
			Member	M	-	-	√	√	-	-	-	√	-	-	5 th	

Jal Sanrakshan Samiti- Padoura, Gram Panchayat: Bari

Name of Project:- IWMP XX

District- Mahoba

Sl. No .	Name of Gram Sabha/ GP	Date of Constitutio n/ Registration as a Society (dd/mm/ yyyy)	Designatio n	M/ F	S C	S T	OBC/Ge n	S F	M F	L F	Land -less	U G	SH G	G P	Edu- cational qualificatio n	Function(s) assigned
12	Padour a	9-11-2011	President	M	-	-	✓	-	-	✓	-	-	-	-	8 th	WC will act as per Common Guidelines for watershed Development Projects 2008
			Secretary	M	-	-	✓	✓	-	-	-	-	-	-	12 th	
			Member	M	✓	-	-	✓	-	-	-	-	-	-	Ag. Diploma	
			Member	M	-	-	✓	✓	-	-	-	✓	-	-	10 th	
			Member	M	-	-	✓	-	-	-	-	-	-	-	8 th	
			Member	M	-	-	-	-	-	✓	-	-	-	-	5 th	
			Member	M	-	-	✓	✓	✓	-	-	-	✓	-	Sakchar	
			Member	F	-	-	✓	✓	-	-	-	-	✓	-	Sakchar	
			Member	M	✓	-	-	-	✓	-	✓	-	-	-	5 th	
			Member	M	-	-	✓	✓	-	-	-	-	-	-	Sakchar	
			Member	M	-	-	✓	-	-	-	-	✓	-	✓	Sakchar	

Note: Formation of SHGs and UGs is in progress. Few SHGs were already constituted which details are kept in project file. Process is initiated for opening of account for watershed committees and SHGs already constituted.

**Table 4.5: Village wise details of Self Help Groups (SHGs) in the project area IWMP- XX
Project- IWMP XX**

District – Mahoba

Sr. No . .	Name of MWS	Names of villages	Total no. of Constituted/registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category			Date of formatio n of SHGs
			Wit h only Men	With only Wome n	Wit h both	Total	Categories	M	F	Total	M	F	Total	M	F	Total	
1	Gyori 2C1B3b3c	Gyori	8	2	2	12	(i) Landless	25	11	36	8	3	11	25	11	36	These SHGs were formed during the month of February to April. Bye-laws of the SHGs were prepared and kept in the project file. Process to open the accounts in Gramin bank
							(ii) SF	38	16	54	11	5	16	38	16	54	
							(iii) MF	21	9	30	6	3	9	21	9	30	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	84	36	120	25	1	36	84	36	120	
2	Barai 2C1B3h1a	Kauhari, Gyori, Barai	3	1	1	5	(i) Landless	11	5	15	3	1	5	11	5	15	These SHGs were formed during the month of February to April. Bye-laws of the SHGs were prepared and kept in the project file. Process to open the accounts in Gramin bank
							(ii) SF	16	7	23	5	2	7	16	7	23	
							(iii) MF	9	4	13	3	1	4	9	4	13	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	35	15	50	11	4	15	35	15	50	
3	Padoura 2C1B3h1d	Parora, Gaurhari, Puwara	4	1	1	6	(i) Landless	13	5	18	4	2	5	13	5	18	These SHGs were formed during the month of February to April. Bye-laws of the SHGs were prepared and kept in the project file. Process to open the accounts in Gramin bank
							(ii) SF	19	8	27	6	2	8	19	8	27	
							(iii) MF	11	5	15	3	1	5	11	5	15	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	42	18	60	13	5	18	42	18	60	

4	Pupwara 2C1B3h2c	Pupwara, Kuhan, Pehretha, Rihuniya	1	1	-	2	(i) Landless	4	2	6	1	1	2	4	2	6	(service bank) has been initiated
							(ii) SF	6	3	9	2	1	3	6	3	9	
							(iii) MF	4	2	5	1	0	2	4	2	5	
							(iv) LF	-	-	-	-	-	-	-	-	-	
								14	6	20	4	2	6	14	6	20	
5	Patha 2C1B3h2d	Pupwara, Patha, Rihuniya, Gudhari	2	1	1	4	(i) Landless	8	4	12	3	1	4	8	4	12	
							(ii) SF	13	5	18	4	2	5	13	5	18	
							(iii) MF	7	3	10	2	1	3	7	3	10	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	28	12	40	8	4	12	28	12	40	
6	Keeratpur2C1B3c 3b	Kakun, Sighaura, Keeratpura, Bamhauriy, Kurara Bajpai	2	1	1	4	(i) Landless	8	4	12	3	1	4	8	4	12	
							(ii) SF	13	5	18	4	2	5	13	5	18	
							(iii) MF	7	3	10	2	1	3	7	3	10	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	28	12	40	8	4	12	28	12	40	
7	Natarra 2C1B3c3c	Pancham pura, Keeratpura, Natarra, Bamrara, Jataura	3	1	1	5	(i) Landless	11	5	15	3	1	5	11	5	15	
							(ii) SF	16	7	23	5	2	7	16	7	23	
							(iii) MF	9	4	13	3	1	4	9	4	13	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	35	15	50	11	4	15	35	15	50	
8	Behari 2C1B3c3e	Bamhauri kalan, Sijaura, Patha	2	1	1	4	(i) Landless	8	4	12	3	1	4	8	4	12	
							(ii) SF	13	5	18	4	2	5	13	5	18	

						(iii) MF	7	3	10	2	1	3	7	3	10		
						(iv) LF	-	-	-	-	-	-	-	-	-		
						Total	28	12	40	8	4	12	28	12	40		
						(i) Landless	6	3	9	2	1	3	6	3	9		
9	Rivai 2C1B3c1c	Kauhari, Maarkui, Jaswari, Nibuwari, Riwai	2	1	-	3	(ii) SF	9	4	14	3	1	4	9	4	14	
						(iii) MF	5	2	8	2	1	2	5	2	8		
						(iv) LF	-	-	-	-	-	-	-	-	-		
						Total	21	9	30	6	3	9	21	9	30		
						(i) Landless	8	4	12	3	1	4	8	4	12		
10	Kanera 2C1B3c2b	Berikheda, Imlikheda, Sudamapur, Kanera, Bamnetha	2	1	1	4	(ii) SF	13	5	18	4	2	5	13	5	18	
						(iii) MF	7	3	10	2	1	3	7	3	10		
						(iv) LF	-	-	-	-	-	-	-	-	-		
						Total	28	12	40	8	4	12	28	12	40		
						(i) Landless	11	5	15	3	1	5	11	5	15		
11	Malkhanpur 2C1B3c2c	Malkhanpu, Berikheda	3	1	1	5	(ii) SF	16	7	23	5	2	7	16	7	23	
						(iii) MF	9	4	13	3	1	4	9	4	13		
						(iv) LF	-	-	-	-	-	-	-	-	-		
						Total	35	15	50	11	4	15	35	15	50		
						(i) Landless	8	4	12	3	1	4	8	4	12		
12	Nousara 2C1B3c2d	Imlikheda, Bamnetha, Jataura	2	1	1	4	(ii) SF	13	5	18	4	2	5	13	5	18	
						(iii) MF	7	3	10	2	1	3	7	3	10		
						(iv) LF	-	-	-	-	-	-	-	-	-		
						Total	28	12	40	8	4	12	28	12	40		
						(i) Landless	11	5	15	3	1	5	11	5	15		
13	Bamhauri Beldaran	Jordanganj,	3	1	1	5											

	2C1B3c2e	Bamhauri Beldaran					(ii) SF	16	7	23	5	2	7	16	7	23	
							(iii) MF	9	4	13	3	1	4	9	4	13	
							(iv) LF	-	-	-	-	-	-	-	-	-	
							Total	35	15	50	11	5	15	35	15	50	
		GT for IWMP- XXI	37	14	12	63		44	18	630	13	5	189	44	18	630	

(M – Male, F – Female)

There were 17 villages in the project area and village-wise Self Help Groups (SHGs) constituted is given in Table 4.5. Total 63 SHGs were already constituted in the project villages, of them, 110, 20 and 10 are men SHGs, 20 women SHGs and 10 mixed SHGs, respectively. Total 198 SHGs have to be constituted to ensure the livelihood of marginalized population in the project. Formation of remaining 135 SHGs is in progress. Livelihood Action Plan is given in Annexure-I.

4.2: Details of Formation of User Groups (UGs)

User Groups were formed on the basis of beneficiaries of different natural resource conservation activities to be constructed in the watershed. The location of the activities/group mentioned in Table 4.8 can be seen on the proposed plan available in the map section.

Table 4.8: Activity wise formation of user groups

S. No.	Name of user Group	Benefited area (ha)	Field No. / Khasara No.	Name of	Name of	Activity	Locatio n of the activity	Water storage in	Area Proposed	user Charge s (per ha)
				Adhyaksh	Sachiv/	Proposed		cum	for irrigation	
					Treasurer				(ha)	
	Nousara 2C1B3c2d									
	Jatoura									
1	S.B. 1	8.07	224, 228 to 290	Brajendra kumar, Balvan Singh, Vishvanath etc.	Balvan Singh	Crop production	Yes	-	-	-
								-	-	-
2	S.B. 2	5.9	226, 227	Nandkishor, rajrani	Nandkishor	Crop production	Yes	-	-	-
								-	-	-
3	S.B. 3	10.71	142 to 148, 164, 165, 167	Bhura, Malkhan Singh, Ramdas, Ramshevak, Manpyare etc.	Ramdas	Crop production	Yes	-	-	-
								-	-	-
4	S.B. 4	4.513	250	Raghuvan, Munna, Jayprakash etc.	Munna	Crop production	Yes	-	-	-
								-	-	-
5	S.B. 5	10.928	531 to 536	Arvindra, Suraj Prasad, Madan Pal, Chhatrapal etc.	Suraj Prasad	Crop production	Yes	-	-	-
6	S.B. 6	3.948	637, 640, 641	Santosh, Arvindra, Panna Lal, Ramgiri etc.	Rajendra Singh	Crop production	Yes	-	-	-

7	S.B. 7	17.225	463, 439, 441, 452, 437, 438, 446, 447	Bachchan, Rajabai, Indra Pal, Ashok, Ramsvarup, Vimla	Raghuveer Singh	Crop production	Yes	-	-	-
Total		61.294								
1	P.B 1	7.234	414, 415, 424, 428	Sundar, Narayans Singh, Jagdish Singh	Pyare Lal,	Crop production	Yes	-	-	-
2	P.B 2	5.022	409, 410, 406, 417, 427	Dharm Singh, Narayan, Ramskhi	Harpal	Crop production	Yes	-	-	-
					Rama			-	-	-
Total		12.256						-	-	-
								-	-	-
1	C.D 1	2.932	232, 233, 234	Ramshevak, Kraparam, Rajaram etc.	Munna Singh	Crop production	Yes	-	-	-
2	C.D 2	4.628	244, 245	Indra Pal, Bhupat	Ramratan,	Irrigation	Yes	-	-	-
3	C.D 3	2.878	154, 155	Lalji, Nandkishor	Kamla	Irrigation	Yes	-	-	-
4	C.D 4	4.411	307, 313	Keshar Devi, Mohan Singh	Banvari,	Crop production	Yes	-	-	-
5	C.D 5	3.501	150, 153	Gulab Singh, Motilal	Rambharose	Crop production	Yes	-	-	-

6	C.D 6	5.577	470, 471, 474	Kamlarani, Baladeen, Indrabhan Singh	Smt. Munni,	Crop production	Yes	-	-	-
7	C.D 7	5.473	456 to 459	Indrabhan Singh, Guman Singh etc.	Tara Devi	Crop production	Yes	-	-	-
8	C.D 8	7.782	453, 454, 473, 474	Baladeen, Indrabhan Singh etc.	Shiv Kumar	Crop production	Yes	-	-	-
9	C.D 9	3.082	478, 480, 485/2	G.R.B., Raghunath Singh, Raghuvir Singh	Subhash	Crop production	Yes	-	-	-
Total		40.264						-	-	-
1	W.H.B 1	12.886	513, 514, 517 to 521	Arvindra, Gedaraja, Gajevdra Singh etc.	Tarun Kumar			-	-	-
Total		12.886						-	-	-
Farmer Name										
Nousara								-	-	-
								-	-	-
1	S.B. 1	5.732	306 to 318	Ramshvarup, Keshar Devi, Ramkumar etc.	Surendra Singh	Crop production	Yes	-	-	-
2	S.B. 2	6.383	299, 300 to 303, 305, 316	Krashankant, Jitendra, Khemchandra, Savitri Devi etc.	Rajendra Singh	Crop production	Yes	-	-	-

3	S.B. 3	16.896	294, 295, 296, 298	Surendra Singh, Janki prasad, Ramgopal, Khemchandra etc.	Randheer Singh	Crop production	Yes	-	-	-
4	S.B. 4	11.688	275, 276, 277, 278, 281, 282	Jitendra, Kamta, Durga Prasad, Maniram etc.	Chavinath	Crop production	Yes	-	-	-
5	S.B. 5	2.265	285, 286, 287	Shanti devi, Sundar etc.	Pushpendra Pratap,	Crop production	Yes	-	-	-
6	S.B. 6	4.898	65 to 70	Birbal, Sundar, Shivanath, Gyasi Lal	Gajraj Singh	Crop production	Yes	-	-	-
7	S.B. 7	1.85	64	Madhoa Prasad	Ajit Prasad	Crop production	Yes	-	-	-
8	S.B. 8	3.914	57 to 63	Chandrashekhar, Mahadev, Ganpat etc.	Chandrika Prasad	Crop production	Yes	-	-	-
9	S.B. 9	5.214	242, 246, 247, 244	Kamlesh, Gyandevi, Shivdayal, Hari	Munna	Crop production	Yes	-	-	-
Total		58.84						-	-	-
1	P.B. 1	6.929	38, 42, 44, 46	Babloo etc.	-	Crop production	Yes	-	-	-

2	P.B. 2	2.519	34, 32	Girja Prasad, Gaya Prasad	Smt. Mithlesh Kumari,	Crop production	Yes	-	-	-
3	P.B. 3	1.596	32	Gaya Prasad	Babulal	Crop production	Yes	-	-	-
Bhamori Beldan 2C1B3c2e										
Jardan Ganj				Farmer Name				-	-	-
								-	-	-
1	S.B. 1	9.401	487, 496, 497, 498, 572, 573, 575, 576, 577	Dharmendra, Ramcharan, Prem, Ramshevak, Mangal Singh, Sunita etc	Ballu,	Crop production	Yes	-	-	-
2	S.B. 2	4.066	195	Dharmendra, Ramcharan	Gangu	Crop production	Yes	-	-	-
3	S.B. 3	5.649	266, 267, 261, 264	Gyanvati, Purshottam, Rukmani, Mohan	Randheer	Crop production	Yes	-	-	-
4	S.B. 4	2.564	186, 187, 188	Rakesh Kumar, Natthuram, Ajay	Panchayat	Crop production	Yes	-	-	-
5	S.B. 5	2.401	433, 435, 436	Vassi, Raish, Chhaddi	Randheer Singh	Crop production	Yes	-	-	-
6	S.B. 6	3.118	288, 293, 298, 296. 294	Rahmat Nisha, Guman Singh, Matadeen etc.	Buddhu	Crop production	Yes	-	-	-

7	S.B. 7	2.864	317, 325, 326, 327, 328	Maiya Deen, Hanumat Prasad, Gita Devi, Lakshmi Prasad etc.	Ram Prakash	Crop production	Yes	-	-	-	-
8	S.B. 8	2.523	299, 300, 201, 302	Vijay Singh, Kalarani, Rajaram etc.	Shyamlal, Shivratan	Crop production	Yes	-	-	-	-
Total		32.586						-	-	-	-
1	P.B. 1	5.182	254, 258, 262, 259, 260	Jagnath, Badlu, Vassi, Rukmani, Munna etc.	Dhanni	Crop production	Yes	-	-	-	-
2	P.B. 2	6.132	276, 277, 278, 279, 280, 440, 270, 272, 273, 274, 275	Mho. Mustak, Ismis, Rafik, Shekh Chhiddi, Gulab Navi, Natthu, Munni etc.	Jamuna Devi	Crop production	Yes	-	-	-	-
3	P.B. 3	3.728	252, 255, 256	Fakire, Badlu, Gyanvati	Barelal	Crop production	Yes	-	-	-	-
4	P.B. 4	5.606	229, 346, 347, 341, 343, 339, 336, 334	Jagnath, Mulchandra, Khubchandra, Munir ali, Ghasiram etc.	Buddha	Crop production	Yes	-	-	-	-
5	P.B. 5	4.435	207, 208, 211, 212, 213	Baiju, rabiya, Hira, Lalta, Ramjivan etc.	Malkhan, Ramnaresh	Crop production	Yes	-	-	-	-
6	P.B. 6	2.842	1, 2, 3, 4	Virendra, Bachhu, Baldev etc.	Jageshwar Singh	Crop production	Yes	-	-	-	-

7	P.B. 7	6.497	8, 10, 11, 220, 221, 222, 229	Sushila Devi, Mohan Singh, Jahanath etc.	Durjan	Crop production	Yes	-	-	-	-
8	P.B. 8	2.591	6, 25, 26, 21, 23, 29, 27	Natthu, Gyan Singh, khukavan, Mohan Singh etc.	Keerat Singh	Crop production	Yes	-	-	-	-
Total		37.013						-	-	-	
1	C.D. 1	4.556	200, 201, 202, 198	Saltuva, Ramshevak, Purarlal, Ravi etc.	Kutira Bag	Crop production	Yes	-	-	-	-
2	C.D. 2	7.413	190, 196, 197, 191, 193, 173, 174, 175	Chandrabhan, Udhamp Singh, Ramkumar, Lakshmikant, etc.	Shri Adesh Kumari	Crop production	Yes	-	-	-	-
3	C.D. 3	2.618	133, 177, 176	Fool Singh, Umakant, Ramakant	Rajendra Singh	Crop production	Yes	-	-	-	-
4	C.D. 4	12.219	58, 59, 150, 152, 145 to 148, 141, 142, 181 to 185, 240, 248	Motilal, Udhamp Singh, Gulab Singh, Uttam Singh, Biharilal, Babulal, Rampratap etc.	Sukha	Crop production	Yes	-	-	-	-
5	C.D. 5	12.412	51, 52, 54, 47, 123, 124 to 127, 134, 15, 16, 17	Parmanandi, Lachchhi, Krashan Kumar, Ramsadal, Krashanshvarup, Pyarelal etc.	Raghavar	Crop production	Yes	-	-	-	-
Total		39.218						-	-	-	

				Farmer Name				-	-	-
Mahraj nagar								-	-	-
1	S.B. 1	5.249	301, 302, 303, 310	Shambhu, Brajlal, Natthu, Sukkhan	Smt. Kamla Devi	Crop production	Yes	-	-	-
2	S.B. 2	4.064	328, 327/2, 326, 329	Munnalal, Chhail Bihari temple, Kalicharan	Maan Singh	Crop production	Yes	-	-	-
3	S.B. 3	6.67	304, 305, 330, 331, 334, 335, 337, 338, 339	Natthu, Chhail Bihari temple, Kalicharan, Rameshvar Prasad, Mahesh Prasad etc.	Foolchandra, Dhaniram	Crop production	Yes	-	-	-
Total		15.983						-	-	-
								-	-	-
Natrra 2C1B3c3c								-	-	-
Pancham				Farmer Name				-	-	-
								-	-	-
1	S.B. 1	9.23	127, 133, 131, 130, 132, 137	Natthu, Lakshmi Prasad, Bhairo Lal, Bharat, Sari etc.	Goverdhan, Mangal	Crop production	Yes	-	-	-
Total		9.23		Ghasiram, Siddhgopal, Kashi Prasad etc.	Bhavanideen			-	-	-
1	P.B. 1	15.79	27, 28, 268 to 271	Ghanshyam, Hariom, Brajnandan, Ramsajivan, Jiyalal etc.	Umashankar, Tularam	Crop production	Yes	-	-	-

2	P.B. 2	13.18	517, 518, 514, 520, 505 to 512, 521 to 525	Babugiri, Amar singh, Ramkumar, Rahman, Jayprakash etc.	Bharat	Crop production	Yes	-	-	-
3	P.B. 3	25.62	539, 540 to 543, 538, 544, 543 to 555, 528 to 536	Kashi Prasad, Tulsi Das, Kamta Prasad, Ganesha etc	Jodha	Crop production	Yes	-	-	-
Total		54.59						-	-	-
1	M.B. 1	15.82	279, 274, 288, 289, 290	Kashi Prasad, Baijnath, Baluva, Devidayal etc.	Rajesh	Crop production	Yes	-	-	-
2	M.B. 2	15.82	39 to 44, 252 to 266	Ramprakash, Achhelal, Balaiya, Premnarayan, Lalliya, Rajaram etc.	Lallu	Crop production	Yes	-	-	-
3	M.B. 3	23.52	2 to 23, 33, 31, 30, 34, 37	Svami, Hardayal, Harnarayan, Harendra Singh, Bihari Lal, Radhacharan	Bhoori	Crop production	Yes	-	-	-
4	M.B. 4	35.28	113, 64, 66, 59, 67, 96, 95, 109, 110, 111	Brailal, Jagatram, Najar Dulera, Rameshvar	Prahlad Singh	Crop production	Yes	-	-	-
Total		90.44						-	-	-
1	R.C.D 1	17.04	464, 368, 369, 373, 372, 461, 462, 366, 363, 382, 376, 377	Bodan Singh, Devendrapal Singh, Mulayam Singh, Narayan	Shripat	Crop production	Yes	-	-	-
2	R.C.D 2	27.51	458, 459, 374, 399, 463, 468, 403, 383 to	Bharat, Babbu, Hiralal, Kalicharan	Shripat	Irrigation	Yes	-	-	-

			385, 325, 68								
3	R.C.D 3	32.71	456, 457, 409, 407, 406, 471, 410, 400, 403, 471	Bhaiyalal, Bhajanlal, Matadeen etc.	Shripat	Crop production	Yes	-	-	-	
Total		77.26						-	-	-	
1	W.H.B. 1	26.51	311, 327, 329, 306, 300 to 308, 291 to 298	Lokendra Pal, Ambika Prasad, Ganesha	Kashi, Amarpal	Irrigation	Yes	-	-	-	
2	W.H.B. 2	27.28	228, 229, 517, 518, 240, 241, 244, 247, 246, 243, 417, 254, 253, 321, 327	Umadevi, Khilavan, Natthuram	Vishvpal, Jaganpal	Irrigation	Yes	-	-	-	
3	W.H.B. 3	32.69	134, 137, 138, 135, 140, 141, 206 to 218	Jalla, Babbu, Raghuvir Singh, Durga, Rajaram etc.	Raja Bhaiya	Irrigation	Yes	-	-	-	
Total		86.48									
Patha 2C1B3h2d											
Patha											
1	S.B. 1	16.035	341, 339, 335, 336 to 342	Hari Singh, Parshram, Mangal Singh, Gokul, Bansi etc.	Rajendra Singh, Sajjan Singh	Crop production	Yes	-	-	-	
2	S.B. 2	22.549	356, 365, 352, 353, 354, 355	Kesharani, Dayaram, Bade, Battu, Sitaram, Sundarlal	Sandeep Kumar	Crop production	Yes	-	-	-	

3	S.B. 3	30.989	448, 498, 458, 459, 460, 461	Mahesh Singh, Muluva, Goti etc.	Baburam	Crop production	Yes	-	-	-
4	S.B. 4	33.09	584, 583, 588, 585, 586, 587	Ramdas, Mohar Singh, Bhura, Deshrani, Vinda Prasad etc.	Baburam	Crop production	Yes	-	-	-
5	S.B. 5	16.879	600, 558, 598, 597, 596	Shivapal, Rajabhaiya, Naresh Singh, Avdhesh Singh	Dheerendra, Baldev	Crop production	Yes	-	-	-
6	S.B. 6	10.549	1082, 1081, 1080, 1079	Amar Singh, Parvati, Rani, Kaliya	Jaihind	Crop production	Yes	-	-	-
7	S.B. 7	28.035	1063, 1064, 1065, 1066, 1068	Gangadeen, Girvar, Gayaprasad, Ramshvarup, Budhd Singh	Rajbahadur, Pradeep Kumar	Crop production	Yes	-	-	-
8	S.B. 8	7.038	1119, 1117, 1127	Dvarika Singh, Parsuram etc.	Ram Bhavan	Crop production	Yes	-	-	-
9	S.B. 9	8.489	544, 541	Mannu Singh, Sukhnandan	Haricharan, Bhoori	Crop production	Yes	-	-	-
10	S.B. 10	32.279	282, 279, 278, 281, 277, 290, 292, 293, 305	Mangal Singh, Mahesh Singh, Parvati, Dayaram, Vindravan, Jagrup Singh, Dragpal etc.	Ramnarayan Singh, Gorelal	Crop production	Yes	-	-	-
Total		205.932								

1	W.H.B. 1	17.645	489, 431, 429, 426, 428, 419, 423, 437, 436, 438, 435	Indrapal, Natthu, Brajraj Singh, Bhaiyadeen etc.	Bhaiyadeen	Irrigation	Yes	-	-	-
2	W.H.B. 2	10.587	407, 405, 403, 404, 408, 410, 412, 622, 623, 625, 226	Desha, Rajabhaiya, Sukhanandan Singh, Narayan Singh etc.	Sitaram, Rajkunvar	Irrigation	Yes	-	-	-
3	W.H.B. 3	21.678	634, 635 to 644	Dasaiya, kandhilal, Lalman, Jagrup Singh, Gajraj Singh etc.	Udayram, Balvaan	Irrigation	Yes	-	-	-
4	W.H.B. 4	24.026	1112, 1113, 1111, 1145, 1146, 1135, 1136, 1157	Dharmendra Singh, Ramesh etc.	Ramadhaar	Irrigation	Yes	-	-	-
5	W.H.B. 5	20.02	245, 244, 232, 249, 233, 234, 235, 236, 237	Sandip, Dharm Singh, Suraj Singh etc.	Hiralal	Irrigation	Yes	-	-	-
Total		65.724								
Gayodi 2C1B3d3c										
Gayodi										
Segment- A										
1	S.B. 1	11.838	311, 312	Ghankuvar, Rameshchandra etc	Shivmani	Crop production	Yes	-	-	-
2	S.B. 2	32.285	309 to 317, 323	Vishvanath, Mallu, Mohan Singh etc.	Brijbhaan Singh	Crop production	Yes	-	-	-

3	S.B. 3	16.142	301, 305, 356	Hariom, Ramkumar etc.	Sanchideen	Crop production	Yes	-	-	-
4	S.B. 4	36.59	216, 218, 219	Surendrapal, Maideen, Rajaram etc.	Narayan Babu	Crop production	Yes	-	-	-
5	S.B. 5	37.666	277 to 280, 282, 299	Avadhesh Kumar, Gaya Prasad, Ravindra Singh, Hajari Lal etc.	Devendra Kumar	Crop production	Yes	-	-	-
6	S.B. 6	13.99	266 to 271	Natthu, Babu etc.	Mahipal Singh	Crop production	Yes	-	-	-
7	S.B. 7	15.066	168, 172, 173	Avadhesh Kumar,Dharm Singh, Kuvar Rajjan	Rampyari, Pramod	Crop production	Yes	-	-	-
8	S.B. 8	9.685	170, 249, 248	Shivaratan, Rambabu, Jaykaran	Pyaerlal, Shankar, Pratap Singh	Crop production	Yes	-	-	-
9	S.B. 9	16.142	250 to 252	Jaykaran, Lallu etc.	Smt. Kusum Kumari	Crop production	Yes	-	-	-
10	S.B. 10	18.766	262, 263, 252	Gyatri Devi, Jagat Prasad, Lallu	Dil, Har Singh, Baburam	Crop production	Yes	-	-	-

11	S.B. 11	10.762	417 to 420	Sukhadeen, Bhola	Sandeep kumar	Crop production	Yes	-	-	-
12	S.B. 12	12.914	425, 424, 423	Ramkhilavan, Jagrup, Chhang etc.	Aditya kumar	Crop production	Yes	-	-	-
13	S.B. 13	12.914	501, 502, 500, 511	Avnish kumar, Guruva, Bharat Singh, Bhoasa	Sureshchandra	Crop production	Yes	-	-	-
14	S.B. 14	13.452	570	Svamideen etc.	Ravi kumar	Crop production	Yes	-	-	-
15	S.B. 15	17.218	506, 518	Ramcharan, Rambabu etc.	Rafhim goshvami	Crop production	Yes	-	-	-
16	S.B. 16	15.066	449	Surendra Kumar etc.	Anand	Crop production	Yes	-	-	-
17	S.B. 17	19.371	432, 438		Ramsahay, Brajmohan	Crop production	Yes	-	-	-
18	S.B. 18	18.833	479, 480, 486	Maheshvari Deen, Horilal, Ramfal etc.	Murlidhar	Crop production	Yes	-	-	-

19	S.B. 19	19.371	514 to 516	Gyan Singh, Shyam	Murlidhar	Crop production	Yes	-	-	-
20	S.B. 20	21.523	654 to 660	Radheshyam, Ramprakash etc.	Summera	Crop production	Yes	-	-	-
21	S.B. 21	17.218	628, 630	Bhikham Babu	Babulal	Crop production	Yes	-	-	-
Total		386.812								
1	P.B. 1	27.98	450, 481, 442	Yogendra, Bhagirath, Jayram Singh etc.	Smt.Kashturi	Crop production	Yes	-	-	-
2	P.B. 2	16.142	472, 479, 469	Surendra Singh, Maheshvari, Ramkhilavan	Rampal	Crop production	Yes	-	-	-
3	P.B. 3	12.914	581, 524, 528	Ramjivan Singh, Sukhdev, Parma	Govindash	Crop production	Yes	-	-	-
4	P.B. 4	12.914	529, 534, 536	Archna Divedi, Jayram, Rakesh etc.	Kanaiya	Crop production	Yes	-	-	-
5	P.B. 5	10.762	542, 546	Ramdevi, Ajit Pratap Singh	Manish kumar	Crop production	Yes	-	-	-

6	P.B. 6	12.914	769, 784, 785	Devidayal etc.	Krasandatt Goshvami	Crop production	Yes	-	-	-
7	P.B. 7	13.452	998, 999, 997	Gendarani, Bhilla, Nasva Singh etc.	Santosh kumar	Crop production	Yes	-	-	-
8	P.B. 8	13.99	1000, 1003	Shripat, Maheshvari Deen	Santosh kumar	Crop production	Yes	-	-	-
9	P.B. 9	19.371	1008 to 1013	Kishor Singh, Surajpal etc.	Vindravan	Crop production	Yes	-	-	-
10	P.B. 10	21.523	1026, 1029, 1031	Amar Singh, Badri, Duliya	Nishar ahmad	Crop production	Yes	-	-	-
11	P.B. 11	8.071	787	Amar Singh, Badri, Duliya	Manohar singh	Crop production	Yes	-	-	-
12	P.B. 12	10.762	807	Jayendra Singh	Smt. Chunnidevi	Crop production	Yes	-	-	-
13	P.B. 13	11.838	951, 959, 960	Ramaotar, Sevak, Prakashrani etc.	Smt.Goribai	Crop production	Yes	-	-	-

14	P.B. 14	9.685	608, 607, 606	Mohan, Bhaiya Deen, Bhikham etc.	Balram kishor	Crop production	Yes	-	-	-
Total		202.318								
1	C.D. 1	14.776	336, 338, 340	Jamuna Prasad, Fool Singh etc.	Sandeep kumar	Crop production	Yes	-	-	-
2	C.D. 2	2.955	568 to 593, 577	Ramadhar, Gayadeen, Arvindra Kumar etc.	Anand	Crop production	Yes	-	-	-
3	C.D. 3	2.463	590 to 592	Jagmohan etc.	Anvari khalun	Crop production	Yes	-	-	-
4	C.D. 4	3.448	611, 609, 660	Bhikham Singh, Ramprakash	Mahmood khan	Crop production	Yes	-	-	-
5	C.D. 5	8.866	613, 614, 615	Shatrughan, Shivdayal	Smt. Sangeeta	Crop production	Yes	-	-	-
6	C.D. 6	1.97	746, 747, 748	Jagmohan Singh, Rahul Singh etc.	Aditya kumar	Crop production	Yes	-	-	-
Total		34.478			Rakesh kumar,Abnesh kumar					

Segment- B											
1	S.B. 1	33.361	1084, 1085	Kanchan Singh	Muneer Ahmad,Pakab Ahmad	Crop production	Yes	-	-	-	
2	S.B. 2	26.904	1086, 1162	Siddhgopal, Shiv Singh	Mu.ushufh,Mu.Idreesh	Crop production	Yes	-	-	-	
3	S.B. 3	21.523	1088 to 1091	Maheshvari Deen, , Shiv Singh, Radharani	Denesh	Crop production	Yes	-	-	-	
4	S.B. 4	30.133	1145, 1145, 1155, 1154	Ramkrapal, Jagmohan, Babulal, Santosh	Parmendra kumar	Crop production	Yes	-	-	-	
5	S.B. 5	13.452	1112, 1114, 1110, 1115	Fool Singh, Ramfal etc.	Vijay kumar	Crop production	Yes	-	-	-	
6	S.B. 6	5.381	1130, 1235	Rajbahadur Singh, Maiku, Shyamal	Smt.Radharani	Crop production	Yes	-	-	-	
7	S.B. 7	10.762	1132, 1131, 1134	Kamta Prasad etc.	Somnath,Somprakash	Crop production	Yes	-	-	-	

8	S.B. 8	17.218	1173	Siddhgopal etc.	Siyarani	Crop production	Yes	-	-	-
9	S.B. 9	18.294	1175	Bhola, Rameshvar, Lalbai	Shivcharan	Crop production	Yes	-	-	-
10	S.B. 10	17.218	1276, 1278, 1279	Vindi, Goare, Bhavani Deen	Trilok singh	Crop production	Yes	-	-	-
11	S.B. 11	16.142	1271, 1286, 1287	Vindi, Baldev	Nathbahadur	Crop production	Yes	-	-	-
12	S.B. 12	6.995	1301, 1312	Tikku, Kamta Singh, Viveni	Bainiprasad khare	Crop production	Yes	-	-	-
13	S.B. 13	20.447	1210, 1211, 1198	Sabal Singh, Gaya Prasad	Govindash	Crop production	Yes	-	-	-
14	S.B. 14	10.762	1341, 1343 to 1346	Satendra Singh, Hukum Singh, Prahalad etc.	Jayendra kumar,Shukhlal	Crop production	Yes	-	-	-
15	S.B. 15	9.685	1688, 1677, 1670	Guman Singh, Senapat Singh, Sabai Singh etc.	Umasankar,Pelambar das	Crop production	Yes	-	-	-

16	S.B. 16	8.071	1692, 1689, 1694	Sanjay Singh etc.	Mahesh prasad	Crop production	Yes	-	-	-
17	S.B. 17	5.38	1681	Prahalaad, Mahadev Prasad etc.	Jayendra kumar	Crop production	Yes	-	-	-
Total		271.728								
1	P.B. 1	6.457	1496, 1497, 1493	Ramkrapal etc.	Krashan kumar	Crop production	Yes	-	-	-
2	P.B. 2	5.381	1662	Shankar Singh, Sunita etc.	Santosh kumar	Crop production	Yes	-	-	-
3	P.B. 3	6.995	1657, 1658	Ramshvarup etc.	Rajendra kumar	Crop production	Yes	-	-	-
4	P.B. 4	15.066	1663	Maheshvari, Udayram Singh etc.	Krashan kumar	Crop production	Yes	-	-	-
5	P.B. 5	16.142	1710 to 1715	Hanuman	Ramshnehi	Crop production	Yes	-	-	-
6	P.B. 6	10.762	1759	Ramgopal, Svamideen Singh etc.	Chandrabhan	Crop production	Yes	-	-	-

7	P.B. 7	13.452	1774 to 1776	Gangajali, Chhedilal etc.	Rakesh kumar	Crop production	Yes	-	-	-
Total		74.255								
1	C.D. 1	9.851	1168, 1169, 1164	Rajbahadur, Fool Singh, Maiku etc.	Ramsvarup	Crop production	Yes	-	-	-
2	C.D. 2	7.388	1132, 1130, 1131	Fool Singh, Jangbahadur etc.	Ramsevak,Thakurdas	Crop production	Yes	-	-	-
3	C.D. 3	8.373	1130, 1133, 1135	Ramkrapal, Shivbalak	Rafhik Ahmad khan	Crop production	Yes	-	-	-
4	C.D. 4	7.88	1244, 1245, 1241	Tillu, Ramkrapal, Dayaram, Mr. Prakash	Anil kumar	Crop production	Yes	-	-	-
5	C.D. 5	9.85	1218, 1219, 1238, 1234	Indal Singh, Senapat Singh, Pacha	Kalideen,Narayandas	Crop production	Yes	-	-	-
6	C.D. 6	3.94	1679, 1689, 1687	Miyadeen etc.	Kanhaiyalal	Crop production	Yes	-	-	-
7	C.D. 7	3.448	1470, 1674, 1671	Kallu, Chhote, Rambahori	Kanhaiyalal	Crop production	Yes	-	-	-

8	C.D. 8	3.447	1489, 1490, 1485	Prahald, Mahadev Prasad	Kanhayalal	Crop production	Yes	-	-	-
Total		54.177								
	Segment-C									
1	P.B. 1	16.142	1496, 1497, 1493	Ramkrapal etc.	Chhidde	Crop production	Yes	-	-	-
2	P.B. 2	8.071	1662	shankar Singh, Sunita etc.	Lachhu	Crop production	Yes	-	-	-
3	P.B. 3	21.523	1657, 1658	Ramshvarupetc.	Dharmendra kumar	Crop production	Yes	-	-	-
4	P.B. 4	8.609	1663	Maheshvari, Udayram Singh etc.	Ramcharan	Crop production	Yes	-	-	-
5	P.B. 5	10.762	1710 to 1715	Hanuman	Afhtab ahmad khan	Crop production	Yes	-	-	-
6	P.B. 6	10.762	1759	Babbu etc.	Shree.devi Ranjeeta	Crop production	Yes	-	-	-

7	P.B. 7	8.071	1774 to 1776	Rajaram, Svamideen etc.	Ishvar Prasad	Crop production	Yes	-	-	-
8	P.B. 8	11.838	1906 to 1908	Ramkrapal, Umraw Singh etc.	Ramprasad	Crop production	Yes	-	-	-
9	P.B. 9	11.299	1937 to 1940	Bhallu, Dharmendra Singh etc.	Ghanshu	Crop production	Yes	-	-	-
10	P.B. 10	6.457	19,771,978	Ghasita	Ashaad khan	Crop production	Yes	-	-	-
11	P.B. 11	8.609	1949	Ramgopal etc.	Babulal	Crop production	Yes	-	-	-
12	P.B. 12	8.609	1961	Narendra Singh	Munna	Crop production	Yes	-	-	-
13	P.B. 13	5.38	1972	Brajraj Singh	Ajay kumar,Ramnarayan	Crop production	Yes	-	-	-
14	P.B. 14	5.38	2007	Smt.Sukhrani	Maiyadeen	Crop production	Yes	-	-	-

15	P.B. 15	11.832	2040	Smt.Sukhrani, Kuldip Singh, Vanbihari Singh	Rajesh kumar,Rakesh	Crop production	Yes	-	-	-
16	P.B. 16	12.914	2040, 2039, 2047	Rajendra, Vikram etc.	Ramsvarup	Crop production	Yes	-	-	-
17	P.B. 17	13.99	1809	Babbu, Svamideen	Ashutosh kumar,Amit	Crop production	Yes	-	-	-
18	P.B. 18	15.066	1818, 1819	Kallu etc.	Ashish Pathak,Davesh	Crop production	Yes	-	-	-
19	P.B. 19	2.69	1611	Savita Singh	Ramesh,kallan	Crop production	Yes	-	-	-
20	P.B. 20	2.69	1608	Tribhuvan Singh	Ikhlaikh,Ganesh	Crop production	Yes	-	-	-
21	P.B. 21	8.071	1622	Jagrup Singh	Dasaiya	Crop production	Yes	-	-	-
22	P.B. 22	3.228	1601		Kalicharan	Crop production	Yes	-	-	-

23	P.B. 23	10.762	1859	Sukhrani	Mukhtar,Ahmad	Crop production	Yes	-	-	-
24	P.B. 24	10.762	1877	Girdhari, Chhedilal etc.	Surendra singh	Crop production	Yes	-	-	-
Total		233.517								
1	C.D. 1	9.851	1168, 1169, 1164	Rajbahadur Singh, Fool Singh, Maiku	Gangaram	Crop production	Yes	-	-	-
2	C.D. 2	7.388	1132, 1130, 1131	Fool Singh, Jangbahadur	Chandrashekhar Sakshena	Crop production	Yes	-	-	-
3	C.D. 3	8.373	1130, 1133, 1135	Ramkrapal, Shivbalak etc.	Haridas	Crop production	Yes	-	-	-
4	C.D. 4	7.88	1244, 1245, 1241	Tillu, Ramkrapal, dayaram, Smt. Prakash Singh	Durgaprasad	Crop production	Yes	-	-	-
5	C.D. 5	9.85	1218, 1219, 1238, 1234	Indal Singh, Senapat Singh, Pancha	Gulam	Crop production	Yes	-	-	-
6	C.D. 6	3.94	1679, 1689, 1687	Maiyadeen, Bhaiyalal etc.	Shiraj,Shayed	Crop production	Yes	-	-	-

7	C.D. 7	3.448	1470, 1674, 1671	Kallu, Chhote, Rambahori etc.	Prahlad	Crop production	Yes	-	-	-
8	C.D. 8	3.447	1489, 1490, 1485	Nanhu, Mullu	Maiyadeen, Sanju	Crop production	Yes	-	-	-
9	C.D. 9	3.448	1989, 1981	Smt. Sudha, Smt. Madhu	Rahisha khatun	Crop production	Yes	-	-	-
10	C.D. 10	2.955	1934, 1932	Gulab Singh	Muen Ahmad	Crop production	Yes	-	-	-
11	C.D. 11	2.955	1786	Gulab Singh	Smt. Vimla Devi	Crop production	Yes	-	-	-
12	C.D. 12	1.478	1786	Gulab Singh	Smt. Vimla Devi	Crop production	Yes	-	-	-
13	C.D. 13	2.955	1786	Siddhgopal	Sudhendra	Crop production	Yes	-	-	-
14	C.D. 14	2.955	1788	Siddhgopal	Satendra kumar	Crop production	Yes	-	-	-

15	C.D. 15	2.955	1788	Vinda, Smt. Fooliya, Sukhalal, Smt.Svita, Ramkrapal etc.	Shivprasad,Kandhi	Crop production	Yes	-	-	-
Total		73.878								
1	W.H.B 1	20.428	2031, 2032, 2034, 2020 to 2023	Smt.Svita, Ramkrapal etc.	Mahgaiya	Irrigation	Yes	-	-	-
Total		20.428								
Malkhanpur 2C1B3c3c										
Malkhanpur										
1	S.B. 1	20.368	102, 107	Manish Kumar, Miss Sudha	Rakesh ,Nathuram	Crop production	Yes	-	-	-
2	S.B. 2	35.437	178, 174, 186	Santosh Kumar, Hiralal	Nandkishor	Crop production	Yes	-	-	-
3	S.B. 3	31.284	202, 203, 204	Smt. Chhuni Devi, Raghuvan, Smt. Goaribai	Mukhtar,Ahmad	Crop production	Yes	-	-	-
4	S.B. 4	20.368	201, 154	Bhagavandas, Raghuvan	AlkaRavat	Crop production	Yes	-	-	-
5	S.B. 5	20.571	46, 47, 58	Nathuram, Parmendra Kumar	Smt.Mithla	Crop production	Yes	-	-	-

6	S.B. 6	35.437	183, 187, 180, 179, 174, 164	Ramgopal, Surendra Singh, Haridas, Kapil Tivari, Ashtosh Kumar	Shree. Mahaveer ju	Crop production	Yes	-	-	-
7	S.B. 7	7.457	106, 107	Hakim, Gosvami, Miss Sudh	AlkaRavat	Crop production	Yes	-	-	-
8	S.B. 8	7.457	331	Krashan Kumar, Smt.Radhroni, Bahadur Singh	Lalbahadur	Crop production	Yes	-	-	-
Total		178.379								
1	C.D.1	24.851	65, 66, 67	Matadeen	Muneer Ahmad	Crop production	Yes	-	-	-
2	C.D.2	24.851	320	Ramgopal, Surendra Singh, Haridas, Kapil Tivari, Ashtosh Kumar	Shekhar Majan, Shekh, Iddu	Crop production	Yes	-	-	-
3	C.D.3	24.851	355, 365, 366	Hakim, Gosvami, Miss Sudh	Badree Prasad	Crop production	Yes	-	-	-
4	C.D.4	15.836	367	Krashan Kumar, Smt.Radhroni, Bahadur Singh	Jaysingh, Gumanibai	Crop production	Yes	-	-	-
5	C.D.5	13.866	524, 526	Svapnil Tivari, Ashish Pathak, Virendra Kumar	Chhidde	Crop production	Yes	-	-	-

Total		104.255									
1	W.H.B 1	30.683	165, 166, 167	Svapnil Tivari, Anil Kumar	Dharamdas	Crop production	Yes	-	-	-	
2	W.H.B 2	20.789	92, 123	Ramkumar	Vikram singh,Kuldeep	Crop production	Yes	-	-	-	
3	W.H.B 3	20.789	144	Sudhir, Madhaiya, Chhanni, Rajesh etc.	Suresh	Crop production	Yes	-	-	-	
4	W.H.B 4	20.789	247, 263, 254, 244, 250, 263	Mahendra Singh, Matadeen, Sohanlal, Rajendra Singh	Svami	Irrigation	Yes	-	-	-	
Total		93.05									
Bouhari 2C1B3c3e											
Bouhari											
1	S.B. 1	5.279	841, 840, 865, 868, 869, 870	Madhoa, Rup Singh, Kallu, Narpat, Rajbahadur etc.	Kallu	Crop production	Yes	-	-	-	
2	S.B. 2	8.79	820, 827, 819, 824, 822, 830	Shivpyari, kalicharan, Maniram, Sohanlal etc.	Kishora	Crop production	Yes	-	-	-	
3	S.B. 3	12.659	872, 873, 921, 918, 917, 874, 875	Dindayal, Saroj Kumari, Bhupat, Mahendra Singh, Santosh, Muluva, Shivpyari etc.	Sarman	Crop production	Yes	-	-	-	

4	S.B. 4	28.879	880, 879, 892, 896, 881, 890, 888, 887	Krashan Kumar, Lalju, Munni Lal, Pratipal Singh, Bahadur, Brajrani, Ballam etc.	Arvind kumar Arun kumar	Crop production	Yes	-	-	-
5	S.B. 9	10.549	828, 831, 829, 832, 833, 834, 835, 836, 837	Malkhan Siyaram etc.	Bhagvati	Crop production	Yes	-	-	-
6	S.B. 10	12.659	795, 796, 797	Gangadeen, Siyaram, Govindas, Lakhan, Mulla, Tejpratap Singh, Ganesha etc.	Davidyal Harkishan	Crop production	Yes	-	-	-
Total		73.536								
1	W.H.B. 1	12.953	682, 681, 683, 794, 801, 793, 654	Kashi Prasad, Malkhan, Raghunath, Ramprasad, Premrani etc.	Seva	Irrigation	Yes	-	-	-
2	W.H.B. 2	29.081	700, 790, 797, 789, 702, 703, 743, 701, 706	Ramkhilavan, Dindayal, Ramfal, Ramesh Prasad, Chandrabhan, Lalju etc.	Rameshvar	Irrigation	Yes	-	-	-
3	W.H.B. 3	13.181	782, 784, 749, 748, 751, 775, 400, 799, 773, 772, 774	Gayadeen, Gangadeen, Bhavati, Suraj, Ramratan, Balvan, Rajesh Singh etc.	Gokulprasad	Irrigation	Yes	-	-	-
Total		55.215								
Bhamouri Kala				Farmer Name						
1	S.B. 5	35.099	386, 385, 408, 461, 467, 391, 409, 468, 470, 456, 407, 409, 401	Gayadeen, Gangadeen, Bhavati, Suraj, Ramratan, Balvan, Rajesh Singh etc.	Kalpn	Crop production	Yes	-	-	-

2	S.B. 6	23.209	315, 321, 342, 343, 339, 337, 332, 352, 333, 344, 345, 341	Balram, Chandrashekhar, Kallu, Goarelal, Ganesha, Ramkumar, Ranvijay Singh etc.	Dharamdas	Crop production	Yes	-	-	-
3	S.B. 7	30.989	111, 109, 92, 88, 112, 106, 108, 93, 94, 95, 97, 91, 99	Rameshvar, Dan Singh, Narmda Prasad, Chinji, Madhoa, Balvan Singh, Jagram etc.	Gulabsingh	Crop production	Yes	-	-	-
4	S.B. 8	10.558	11, 12, 17, 14, 16, 18, 61, 63, 56, 55	Dharm Singh, Kathora, Ramcharan, Ramdas, Rampat, Harpratap, Parna etc.	Bhagvandas	Crop production	Yes	-	-	-
6	S.B. 11	12.659	402, 406, 407, 411, 416, 418, 417, 414, 412	Sundar, Sumera, Balvan, Jagdish etc.	Mamta etc	Crop production	Yes	-	-	-
7	S.B. 12	14.769	248, 247, 246, 253, 251, 250, 239, 245, 240, 241, 233, 232, 230	Naraina, Kalideen, Omkaprasad, Jay Singh Baini Prasad etc.	Shyamlee	Crop production	Yes	-	-	-
Total		127.283								
1	W.H.B. 5	27.899	124, 220, 201, 51, 202, 200, 256, 275, 228, 128, 52, 259	Devi Singh, Pancham Singh, Jahar Singh, Keshar Singh etc.	Bhagvati	Irrigation	Yes	-	-	-
					Simkul					
2	W.H.B. 6	10.826	137, 43, 138, 150, 149, 143, 142, 141, 139, 148, 185, 180, 181, 182, 183, 184	Shivprasad, Ganesh Prasad, Sahab Singh etc.	Pushpendra	Crop production	Yes	-	-	-
Total		38.725								

Padoura 2C1B3c3e											
Aechana				Farmer Name							
1	S.B. 1	15.837	1522, 1521, 1530, 1531, 1532, 1523, 1524, 1514, 1513	Ramakant, Dalchandra, Vir singh, Ghanush Kunvar, Dip Singh, Raja Singh etc.	Bhoopsingh	Crop production	Yes	-	-	-	
Total		15.837									
1	S.B. 2	15.837	625, 635, 628, 630, 627, 1580, 1531, 1532, 1533, 1518, 1517	Kailash Devi, Sitaram, Mahendra Singh, Suresh Kumar, Ghansu etc.	Rakesh	Crop production	Yes	-	-	-	
2	S.B. 3	21.038	547, 550, 526, 527, 524, 525, 548	Kallu, Ramprakash, Mahesh, Shyamsundar, Chandrashekhar, Kalicharan etc.	Shobharani	Crop production	Yes	-	-	-	
3	S.B. 4	25.319	534, 532, 531, 530, 526, 518, 519, 520, 536, 537, 393, 315	Udit Narayan, Brajgopal, Maniram, Mahesh kumar, Sitaram, Dilip, Jagdev etc.	Ashok	Crop production	Yes	-	-	-	
4	S.B. 7	35.099	541, 542, 252, 540, 516, 538, 518, 573, 532, 523, 576, 525, 572, 573, 574, 568, 566	Pratap Narayan, Rambalak, dindayal, Sitaram, Chandrashekhar etc.	Ramdyal	Crop production	Yes	-	-	-	
5	S.B.8	31.596	509, 510, 513, 198, 211, 210, 209, 216, 215, 265, 271, 270, 512, 511	Shan Singh, Narayan Singh, Pankaj Singh, Shyam Sundar etc.	Radhe	Crop production	Yes	-	-	-	
Total		62.194									

1	W.H.B. 1	24.613	654, 653, 652, 650, 631, 632, 635, 664, 665, 663, 662, 660, 659	Sovran Singh, Sahib Singh, Amar Singh, Jodha, Jayendra, Lallu etc.	Chandrakran	Irrigation	Yes	-	-	-	
2	W.H.B. 2	26.094	406, 619, 620, 1491, 1500, 1511, 1512, 1513, 1514, 1501, 1502, 1503, 1504, 1491, 1492, 1493, 1496	Rambabu, Jayram Singh, Rajendra Kumar, Sundar Lal, Shakuntla Devi, Ramkishan etc.	Parma	Irrigation	Yes	-	-	-	
3	W.H.B. 3	26.134	343, 344, 347, 346, 351, 353, 36, 372, 371, 373, 1460, 1461, 1462, 1463, 1472	Lekhpal Singh, Dharm Singh, Dilbahar, Jivan, Shyamliya, Ramshnehi, Rangilal etc.	Rakesh	Irrigation	Yes	-	-	-	
3	W.H.B. 3	17.163	214, 210, 196, 192, 194, 206, 207, 208, 201, 204, 198, 199, 236, 234, 233, 232	Jayendra Singh, Rupam Singh, Sitaram, Mankunvar, Bablu etc.	Shimbhoo	Irrigation	Yes	-	-	-	
Total		76.841									
Gadhari											
1	S.B. 5	33.759	407, 408, 443, 439, 438, 437, 440, 442, 405, 406, 343, 395, 394, 415	Shivram Prasad, Shyam Sundar, Nandi, Shobharani, Durga, Jageshvar etc.	Shatrughansingh	Crop production	Yes	-	-	-	
2	S.B. 6	27.429	334, 347, 345, 348, 340, 339, 323, 319, 318, 316	Dayashnakar, Shyambabu, Bhagoti, Maniram, Chinnu, Gopi etc.	Bhagvaandeen	Crop production	Yes	-	-	-	

Total		61.188									
Rivai 2C1B3c1e											
Rivai				Farmer Name							
1	S.B. 1	24.23	171, 172, 175	Suminta, Karan Singh, Rajaram etc.	Pooransingh	Crop production	Yes	-	-	-	
2	S.B. 2	26.58	207, 208	Rashvarup, Goarelal etc.	Shatrughansingh	Crop production	Yes	-	-	-	
3	S.B. 3	19.02	274, 275	Mahendra Singh, Ramakanta	Vinda	Crop production	Yes	-	-	-	
4	S.B. 4	16.45	297	Mohanlal	Mahipalsingh	Crop production	Yes	-	-	-	
Total		86.28									
1	P.B. 1	21.5	130	Smt. Vijay Kumari	Ramdas	Crop production	Yes	-	-	-	
2	P.B. 2	11.75	180, 184	Mangal Singh, Ghumakaiya	Mahipalsingh	Crop production	Yes	-	-	-	
3	P.B. 3	24.76	2, 3, 4, 5, 6, 8	Mohan Lal, Lakanath, Lalpratap. Shivram Singh, Dhurama Singh	Pooransingh	Crop production	Yes	-	-	-	

4	P.B. 4	28.08	600, 601	Omprakash, Gopalsharan etc.	Mooratsingh	Crop production	Yes	-	-	-	-
5	P.B. 5	24.75	617, 618, 619, 622	Badri Prasad, Balkhandi etc.	Mooratsingh	Crop production	Yes	-	-	-	-
Total		110.84									
1	C.D.1	8.97	1362	Gokul	Veerval	Crop production	Yes	-	-	-	-
2	C.D.2	8.965	56	Man Singh	Ashok	Crop production	Yes	-	-	-	-
3	C.D.3	8.96	364	Rammurti	Ramgopal	Crop production	Yes	-	-	-	-
4	C.D.4	9.75	10	Brahmanand Vidyayal, Smt. Suman Devi	Rajesh	Crop production	Yes	-	-	-	-
Total		36.645									
1	W.H.B. 1	34.33	129, 239	Balduva, Ishvar Das	Ashok	Irrigation	Yes	-	-	-	-
					Ramgopal						
2	W.H.B. 2	29.24	294, 254	Dhuram Singh, Shivram, Motilal	Ramdyal	Irrigation	Yes	-	-	-	-
3	W.H.B. 3	38.49	249, 252, 253	Ghasiram etc.	Radhe	Irrigation	Yes	-	-	-	-

4	W.H.B. 4	48.11	285, 286, 282	Sukharani, Bhajanlal, Siyaram	Goli	Irrigation	Yes	-	-	-	
5	W.H.B. 5	20.04	311, 97	Rajaram, Amar Singh, Gulab Singh	Ramgopal	Irrigation	Yes	-	-	-	
6	W.H.B. 6	35.28	167, 192, 196	Siyarani etc.	Ajaysingh	Irrigation	Yes	-	-	-	
7	W.H.B. 7	46.59	231, 232, 233	Bharat Singh, Ramshvarup	Chandra karan	Irrigation	Yes	-	-	-	
Total		252.08									
1	Farm Pond	42.93	129, 259	Jasiram, Ramshevak	Rambai	Irrigation	Yes	-	-	-	
Total		42.93		Farmer Name							
Pupwara 2C1B3c1e											
Pupwara , Pahretha											
1	S.B. 1	7.4	62, 47	Kandhi, Hariram	Sukhdev	Crop production	Yes	-	-	-	
2	S.B. 2	7.4	48, 49	Kishun Das, Krashana, Lallu etc.	Khudaiya	Crop production	Yes	-	-	-	
3	S.B. 3	7.4	24, 66, 69, 70, 71	Babu	Radhe	Crop production	Yes	-	-	-	

4	S.B. 4	3.7	23, 39	Pirva, Sura	Murat singh	Crop production	Yes	-	-	-
5	S.B. 5	3.7	24, 33, 34	Kusuma Devi	Ramdas	Crop production	Yes	-	-	-
Total		29.6								
1	P.B. 1	8.7	2313	Sukharam etc.	Kalla	Crop production	Yes	-	-	-
2	P.B. 2	8.73	2276, 2277	Ramvilal, Shakar Prasad etc.	Ghanshyam	Crop production	Yes	-	-	-
3	P.B. 3	8.8	2367, 2377, 2377	Ramdas	Bhavanideen	Crop production	Yes	-	-	-
Total		26.23								
1	C.D.1	8.97	1362	Harishankar, Lokendra Kumar etc.	Gangasingh,mahendra singh	Crop production	Yes	-	-	-
2	C.D.2	8.965	56	Krashan Kumar, Kashiram etc.	Dayaram	Crop production	Yes	-	-	-

3	C.D.3	8.96	364	Omprakash, Chandrakrapal, Jivan Lal etc.	Kailash	Crop production	Yes	-	-	-
4	C.D.4	9.75	10	Mo. Siddi Begam, Jivan Lal etc.	Chhanulal	Crop production	Yes	-	-	-
5	C.D.5	9.75	10	Dhuram Singh, Shivram, Motilal	Mevalal	Crop production	Yes	-	-	-
6	C.D.6	9.75	10	Ghasiram etc.	Bainiprasad	Crop production	Yes	-	-	-
7	C.D.7	9.75	10	Sukharani, Bhajanlal, Siyaram	Rambharose	Crop production	Yes	-	-	-
Total		65.895								
Kanera 2C1B3c1e										
Kanera										
1	S.B. 1	4.856	27, 28, 21	Smt. Tulsirani, , Umrv etc.	Ramautar	Crop production	Yes	-	-	-
2	S.B. 2	1.464	113, 114	Harishankar, Lokendra Kumar etc.	Harikishan	Crop production	Yes	-	-	-

3	S.B. 3	4.193	122 to 125	Krashan Kumar, Kashiram etc.	Murat singh	Crop production	Yes	-	-	-
4	S.B. 4	6.454	139, 140, 119, 120	Omprakash, Chandrakrapal, Jivan Lal etc.	Seva	Crop production	Yes	-	-	-
5	S.B. 5	6.961	178, 179, 180	Mo. Siddi Begam, Jivan Lal etc.	Parmal	Crop production	Yes	-	-	-
6	S.B. 6	3.537	165 to 169	Parvartiya, Govind Das	Rani,Janki	Crop production	Yes	-	-	-
Total		27.465								
1	C.D.1	4.476	135 to 137, 46, 48, 1314	Laldiman, Govind Das, Yali Khan	Ramkumar	Crop production	Yes	-	-	-
2	C.D.2	7.237	141 to 150, 138	Smt. Vishvdevi, Panna Lal etc.	Badree	Crop production	Yes	-	-	-
3	C.D.3	8.434	39, 49, 52, 53, 57, 58	Shivacharan, Ramshevak, Dabbul, Ravindra Kumar, Smt. Ramiya	Aalamsingh,Ramsingh	Crop production	Yes	-	-	-
Total		20.147								
1	W.H.B. 1	11.096	29, 45, 104, 105, 17,	Fool Khan, Shyambabu,	Bihari	Irrigation	Yes	-	-	-

			108	Lokendra Kumar etc.							
2	W.H.B. 2	15.948	171 to 175, 84, 89	Omshankar, Indrapal Singh, Ramesh Prasas etc.	Kalla,Kisore	Irrigation	Yes	-	-	-	
3	W.H.B. 3	20.544	80, 93, 229, 230, 237, 238, 178, 179, 156, 157, 158, 160, 164, 166, 167	Shyambabu, Sakitram, Prashant, Kumar, Pradip Kumar etc.	Mamta	Irrigation	Yes	-	-	-	
Total		47.588									
Sudamapuri											
1	S.B. 1	5.75	115, 116, 117/1	Mahendra Kumar, Krashanoatar, Kalka etc.	Kashiprasad	Crop production	Yes	-	-	-	
2	S.B. 2	3.686	122, 123, 117/2	Shivpal, Govindi, Kalka etc.	Gorelal	Crop production	Yes	-	-	-	
3	S.B. 3	5.508	159 to 165	Jafar Usmani, Goarishankar	Deendayal,Bhagvatipr asad	Crop production	Yes	-	-	-	
4	S.B. 4	4.349	127 - 130	Ramshevak, Malkhan etc.	Ghanshyam	Crop production	Yes	-	-	-	
5	S.B. 5	6.064	260, 261	Gaya Prasad, Haricharan etc.	Deendayal,Bhagvati prasad	Crop production	Yes	-	-	-	
Total		25.357									

1	C.D.1	4	131, 108	Naresh Prasad, Jumman etc.	Jageshvar	Irrigation	Yes	-	-	-	
2	C.D.2	14.067	183 to 190	Umashankar	Ajaysingh etc	Irrigation	Yes	-	-	-	
3	C.D.3	3.43	193/1	Santosh Kumar	Shivkali	Irrigation	Yes	-	-	-	
4	C.D.4	8.822	193/2 to 199	Rahul	Ghansingh	Irrigation	Yes	-	-	-	
Total		30.319		Farmer Name							
Malkhanpur											
1	S.B. 1	9.763	69, 70, 63, 64, 65	Ramshvarup, Pratap Kumar, Smt. Mira, Ramcharan, Narmda Devi etc.	Bhagvandas	Crop production	Yes	-	-	-	
2	S.B. 2	5.047	43 to 48	Gumani Deen, Goarishankar etc.	Mamta etc	Crop production	Yes	-	-	-	
Total		14.81									
1	C.D.1	4	81, 94 to 96, 109, 112	Rafik Ahmad, Durjan, Ambika Prasad, Khemraj, Ramdas etc.	Tulsharani	Crop production	Yes	-	-	-	
2	C.D.2	14.067	92, 93, 99, 100	Shvapnil Tiwari, Sitaram, Kashideen, Arun kumar	Bhagvati	Crop production	Yes	-	-	-	

3	C.D.3	3.43	88	Arvindra	Pushpendra	Crop production	Yes	-	-	-
4	C.D.4	8.822	33 to 37, 40, 50	Smt. Shyamrani, Ishvari Prasad, Ashok Kumar, Lyapak Ahmad	Charansingh	Crop production	Yes	-	-	-
5	C.D.5	9.822	52 to 62	Sharif Ahmad, Aafak Shaikh	Nrapat	Crop production	Yes	-	-	-
Total		40.141								
1	W.H.B.1	12.991	89, 90, 91, 118 to 123	Chandrashekhar, Anil Kumar, Dharmendra Kumar, Shivnandan etc.	Savitridavi	Crop production	Yes	-	-	-
Total		12.991			Shree Radhakrasan mandir					
				Farmer Name						
Kankara										
1	S.B. 1	3.354	137, 140	Laldiman, Chandrakrapal	Nathuva	Crop production	Yes	-	-	-
Total		3.354			Ramgopal					
1	C.D.1	7.112	139, 142, 154	Omprakash, Jageshvar etc.	Rajaram	Crop production	Yes	-	-	-

Total		7.112									
Barai 2C1B3h1a											
Barai											
1	S.B. 1	14.083	199 200 to 207 346 347	Shan Singh, Narayan Singh, Pankaj Singh,	Parma	Crop production	Yes	-	-	-	
2	S.B. 2	12.533	229 371 372 373 374 365 367	Sovran Singh, Sahib Singh, Amar Singh, Jodha, Jayendra, Lallu etc.	Veerbal	Crop production	Yes	-	-	-	
3	S.B. 3	12.663	357 359 360 360 361 368 350	Rambabu, Jayram Singh, Rajendra Kumar,	Rakesh	Crop production	Yes	-	-	-	
4	S.B.4	6.583	566 567 571 573	Sundar Lal, Shakuntla Devi, Ramkishan etc.	Lalta	Crop production	Yes	-	-	-	
5	S.B.5	5.484	770 771 768 767	Shyam Sundar Lakshman, Shan Singh etc.	Ramdas	Crop production	Yes	-	-	-	
6	S.B.6	4.479	810 811 779	Shyam Sundar Lakshman, Shan Singh etc.	Narendrasingh	Crop production	Yes	-	-	-	
Grand Total		55.825									
1	P.B. 1	4.835	786 787 792	Mankunvar, Bablu etc.	Bhagvaandeen	Crop production	Yes	-	-	-	

2	P.B. 2	5.214	805 806 807 808 809	Jayendra Singh, Rupam Singh, Sitaram.,	Ramdas	Crop production	Yes	-	-	-
3	P.B. 3	2.749	815 816 817	Shobharani, Durga, Jageshvar etc.	Ramdas	Crop production	Yes	-	-	-
4	P.B. 4	6.014	819 820 822 823 831	Shobharani, Durga, Jageshvar etc.	Mahipalsingh	Crop production	Yes	-	-	-
5	P.B. 5	3.819	835 838 841 842 843 844 848	Shivram Prasad, Shyam Sundar, Nandi,	Shatrughansingh	Crop production	Yes	-	-	-
Grand Total		22.631								
1	C.D. 1	13.303	140 154 156 163 164 165 166 158 168	Ramratan, Miss Jabihari, Jayendra Singh, Pancha, Gagdev, Shaligram etc.		Crop production	Yes	-	-	-
2	C.D. 2	2.421	764 757 760	Gurudayal, Rajaram, Sitaram etc.		Crop production	Yes	-	-	-
3	C.D. 3	8.767	795 798 792 790 747 748 749 750 751 801 782 783 800	Ramratan, Miss Jabihari, Jayendra Singh, Pancha, Gagdev, Shaligram etc.	Anna	Crop production	Yes	-	-	-
4	C.D. 4	3.414	839 840 841 842 850 851 852 853 854 855	Gurudayal, Rajaram, Sitaram etc.	Mooratsingh	Crop production	Yes	-	-	-

5	C.D. 5	11.51	860 868 867 870 859 858 856		Mahipalsingh	Crop production	Yes	-	-	-
Grand Total		39.415								
1	W.H.B.1	37.424	312 313 314 315 316 317 319 320 321 322 339 340 341 342 343 344 335 336 337 327 328 329 330 574	Suminta, Karan Singh, Rajaram etc.	Mooratsingh	Crop production	Yes	-	-	-
2	W.H.B.2	12.828	741 742 743 744 745 734 735 736 611 613 614 635 636 637 732 606 606 619 620 621 622 623	Rashvarup, Goarelal etc.	Chandrakran	Crop production	Yes	-	-	-
Grand Total		50.252								
Kohari										
1	S.B. 1	10.403	487, 621, 626, 627, 624, 629, 628,	Mahendra Singh, Ramakanta	Rajaram	Crop production	Yes	-	-	-
2	S.B. 2	14.993	739, 734 to 736, 731, 732, 728	Mohanlal	Gulaho	Crop production	Yes	-	-	-
3	S.B. 3	8.891	826, 827, 828, 831, 832, 689, 690, 691, 686, 687, 680, 681, 682	Smt. Vijay Kumari	Rajaram etc	Crop production	Yes	-	-	-

4	S.B.4	15.015	834, 835, 836, 840, 838, 839, 847, 845, 846, 849	Mangal Singh, Ghumakaiya	Ramgopal	Crop production	Yes	-	-	-
Grand Total		49.302								
1	W.H.B.1	23.232	424, 415, 416, 417, 418, 420, 421, 422	Mohan Lal, Lakanath, Lalpratap. Shivram Singh, Dhurama Singh	Gulaho	Crop production	Yes	-	-	-
2	W.H.B.2	9.476	665, 672, 669	Omprakash, Gopalsharan etc.	Indrapal	Crop production	Yes	-	-	-
Grand Total		32.708								
Keeratpur2C1B3c3b										
Kurera Bajpai										
1	W.H.B.1	23.71	199 to 203, 205, 206, 210, 224 to 231, 234 to 236, 238, 240, 243, 244, 246 to 248, 250, 251	Badri Prasad, Balkhandi etc.	Ghanshi	Crop production	Yes	-	-	-
Grand Total		23.71								
1	P.B. 1	27.55	24, 28 to 31, 81, 83, 90 to 93, 97, 98, 102 to 104, 106	Dayashnakar, Shyambabu, Bhagoti, Maniram, Chinnu, Gopi etc.	Ramkali,Persaiya	Crop production	Yes	-	-	-
2	P.B. 2	8.578	75, 77, 78, 79, 340, 343 to 345, 338	Gokul	Ramshnehi	Crop production	Yes	-	-	-

3	P.B. 3	14.128	244, 248, 252, 254, 258, 262, 264, 266 to 268, 271 to 273, 275, 277, 281, 284, 289, 286	Man Singh	Sukhdev	Crop production	Yes	-	-	-	
4	P.B. 4	3.954	301 to 305, 307, 332, 331	Rammurti	Khudaiya	Crop production	Yes	-	-	-	
5	P.B. 5	3.498	314, 319, 310, 312, 313	Brahmanand Vidyayal, Smt. Suman Devi	Radhe	Crop production	Yes	-	-	-	
6	P.B. 6	4.254	370, 316, 317, 318, 322, 323 to 329	Brahmanand Vidyayal, Smt. Suman Devi	Murat singh	Crop production	Yes	-	-	-	
7	P.B. 7	4.926	348, 349, 350 to 355	Brahmanand Vidyayal, Smt. Suman Devi	Ramdas	Crop production	Yes	-	-	-	
8	P.B. 8	4.67	359, 360, 363, 364, 365, 366, 368	Balduva, Ishvar Das	Lalman	Crop production	Yes	-	-	-	
Grand Total		71.558									
Sijoura											

1	W.H.B.1	16.709	65, 67, 68, 70, 72, 62, 74	Brahmanand Vidyayal, Smt. Suman Devi	Harikishan	Crop production	Yes	-	-	-
2	W.H.B.2	31.564	36, 38, 40, 41, 42, 44, 45, 46, 48, 49, 51, 52, 58 to 61, 54, 55, 56, 34, 64	Ghasiram etc.	Gangasingh,mahendra singh	Crop production	Yes	-	-	-
Grand Total		48.273								
Keeratpur				Sukharani, Bhajanlal, Siyaram	Kailash					
1	S.B. 1	19.845	293, 288, 304, 305, 306	Brahmanand Vidyayal, Smt. Suman Devi	Chhanulal	Crop production	Yes	-	-	-
2	S.B. 2	11.899	333, 337, 338, 343, 344, 345, 347 to 352, 332	Brahmanand Vidyayal, Smt. Suman Devi	Mevalal	Crop production	Yes	-	-	-
3	S.B. 3	15.398	15, 13, 18, 19, 12, 22, 23, 29	Rajaram, Amar Singh, Gulab Singh	Bainiprasad	Crop production	Yes	-	-	-
Grand Total		47.142								
1	C.D. 1	4.998	310, 319 to 323	Brahmanand Vidyayal, Smt. Suman Devi	Aalamsingh,Ramsingh	Crop production	Yes	-	-	-
2	C.D. 2	10.815	353, 358, 374, 375, 419, 418	Siyarani etc.	Mevalal	Crop production	Yes	-	-	-

Grand Total		15.813			Durgaprasad					
1	W.H.B.1	26.235	60, 64, 66, 65, 62, 59, 57, 54, 56, 55, 69, 70	Bharat Singh, Ramshvarup	Ramautar	Crop production	Yes	-	-	-
2	W.H.B.2	10.655	390, 391, 380, 379, 395, 394, 396, 400, 404	Bharat Singh, Ramshvarup	Harikishan	Crop production	Yes	-	-	-
3	W.H.B.3	9.768	431, 436, 432, 437, 439, 440, 471, 472, 422, 423	Murat singh		Crop production	Yes	-	-	-
Grand Total		46.658								
kakun										
1	S.B. 1	11.247	74, 75, 77, 79, 72	Bharat Singh, Ramshvarup	Rani,Janki	Crop production	Yes	-	-	-
2	S.B. 2	8.091	133, 134, 135	Jasiram, Ramshevak	Baburam	Crop production	Yes	-	-	-
3	S.B. 3	3.872	81, 82	Kandhi, Hariram	Ramprasad	Crop production	Yes	-	-	-
Grand Total		23.21								

1	P.B. 1	7.742	249, 250, 251 to 258, 267, 265, 260, 261	Kishun Das, Krashana, Lallu etc.	Munnilar	Crop production	Yes	-	-	-
2	P.B. 2	4.479	35, 36, 39, 40, 44	Babu	Vijaysingh,Baburam	Crop production	Yes	-	-	-
Grand Total		12.221								
1	W.H.B.1	21.419	129, 107, 109, 110, 111, 112, 113, 105, 106, 116, 56	Pirva, Sura	Khudaiya	Crop production	Yes	-	-	-
Grand Total		21.419								

4.3 Convergence in IWMP-XX, Mahoba

Several programmes are running in the areas which are sponsored by Central and State Govt. could be converged with watershed programmes. Some of them are listed in Table 4.6. However, micro-watershed wise amount of convergence is mentioned in Table 4.7.

Table 4.6: List of Central/State sponsored schemes

S.No.	Name of Programme	Implementing Agency	Objectives of the Programme
1	Seed Distribution Programme (Pulse Development & ISOPAM)	U.P. Agriculture Deptt.	To increase seed replacement ratio for higher productivity
2	Pump set Distribution (Food Security Mission)	Agriculture Deptt.	Providing irrigation
3	Training Programme	Agriculture Deptt., KVK	Capacity building of the farmers
4	HDPE pipe	Agriculture Deptt.	
5	National Horticulture Mission (NHM)	Horticulture Deptt.	Increasing the area under fruits and vegetables
6	Sanitation Programme	Gram Vikash	To make hygienic condition in the rural areas

7	MGNREGA (Bunding, Farm Pond, Adarsh Jalashay, Blast well, Chakroad, etc.)	Gram Panchayat	To provide work to the all village personnel under the rojgar guarantee yojana
8	Dept. of Animal Husbandry	U.P. Animal Husbandry	To improve the productivity of livestock
9	Afforestation	Dept. of Forest U.P.	To increase vegetal cover

Table 4.7: Details of Convergence of IWMP with other Schemes in IWMP-XX, Mahoba (Rs. In Lakh)

S. No.	Name of Micro Watershed	Names of Departments with Schemes converging with IWMP	Fund made available to convergence (Rs. in lakh)	Was this fund included in Rs. 12, 000/ 15,000 per ha.	Name of activity/task/structure undertaken with converged funds	Reference no. of activity/ task/ structure in DPR [@]	Level at which decision for convergence was taken ^{\$}
1	Gyori	MGNREGA	0.00	Additional to the cost of Rs. 12000/ha	Natural Resource Management (Soil and water conservation Structures)	Included in DPR	District Level
2	Barai	-do-	0.00				
3	Pupwara	-do-	0.07				
4	Pehretha	-do-	0.28				
5	Patha	-do-	0.07				
6	Keeratpura	-do-	0.00				
7	Natarra	-do-	0.00				
8	Sijaura	-do-	0.01				
9	Rivai	-do-	0.20				
10	Kanera	-do-	0.00				
11	Berikhera	-do-	2.43				
12	Jataura	-do-	0.00				
13	Bamhauri Beldaran	-do-	0.00				
	Total	-do-	3.05				

CHAPTER - 5

MANAGEMENT/ACTION PLAN

The details of Preparatory Phase and Works Phase described in subsequent section.

5.1 Entry Point Activities (EPA)

Entry point activities were executed with the consent of stake holders and it helped in winning the confidence of the villagers for moving ahead the other programmes of watershed. In total 13 EPA activities were executed in the project area which costed Rs. 2202720.00. Photographs of entry point activities done in the project are given below:

Name of PIA	Name of Project	Year	Name of Block	Name of project/ Name of village	Code of project	E.P.A cost in lakh	Name of Work	Cost in lakh
1	2	3	4	5	6	7	8	9
Mahoba	IWMP-XX	2011-12	Charkhari	Gyori	2C1B3b3c	5.712	Puliya construction.	5.712
				Barai	2C1B3h1a	1.200	-do-	1.200
				Pupwara	2C1B3h1d	1.435	-do-	1.435
				Pehretha	2C1B3h2c	0.562	-do-	0.562
				Patha	2C1B3h2d	1.435	-do-	1.435
				Keeratpura	2C1B3c3b	1.488	-do-	1.488
				Natarra	2C1B3c3c	1.526	-do-	1.526
				Sijaura	2C1B3c3e	1.440	-do-	1.440
				Rivai	2C1B3c1c	2.554	-do-	2.554
				Kanera	2C1B3c2b	1.195	-do-	1.195
				Berikhera	2C1B3c2c	1.800	-do-	1.800
				Jataura	2C1B3c2d	1.080	-do-	1.080
				Bamhauri Beldaran	2C1B3c2e	0.600	-do-	0.600
	Total					22.027		22.027

5.2 Works Phase

Following are the major problems of the watersheds

- Water scarcity both for drinking as well as irrigation
 - Excess runoff and soil loss
- Low water holding capacity of the soil
- Low productivity of crops
 - Low fertility of soil
 - Low cropping intensity
 - Lack of technical knowledge
 - *Anna Pratha* (let loose system of cattle)
 - Poor vegetative cover
 - Poor/low productive breeds of miltch animals
 - Lack of feed & fodder availability
 - Non availability of wood/fuel
 - Lack of proper market facilities
 - Low income of the households
 - Lack of employment opportunity.

Estimation of Runoff from the Watershed

Runoff from the watershed is estimated by Curve Number method of the Soil Conservation Service of the USDA using 15 years data (1996-2010). It is estimated that runoff potential of the project area is 132 mm, equivalent to 16.3 per cent of average annual rainfall. Expected runoff and soil loss from the project area are depicted Table 5.1.

Table 5.1: Runoff and soil erosion in the project area (IWMP-XX, Mahoba)

Sr. No.	Name of Micro Watershed	Cause	Type of erosion	Area affected (ha)	Run off (mm/ year)	Average Soil Loss (Tonnes/ ha/ year)
1	Gyori 2C1B3b3c	Water erosion				
			a Sheet	595	132	10-15
			b Rill	417		
			c Gully	179		
		Total		1190		
2	Barai 2C1B3h1a	Water erosion				
			a Sheet	125	132	10-15
			b Rill	88		
			c Gully	38		
		Total		250		
3	2C1B3h1d	Water erosion				
			a Sheet	150	132	10-15
			b Rill	105		
			c Gully	45		
		Total		299		
4	Pupwara 2C1B3h2c	Water erosion				
			a Sheet	59	132	10-15
			b Rill	41		
			c Gully	18		
		Total		117		
5	Patha 2C1B3h2d	Water erosion				
			a Sheet	150	132	10-15
			b Rill	105		

		c	Gully	45		
		Total		299		
6	Keeratpura 2C1B3c3b	Water erosion				
		a	Sheet	155	132	10-15
		b	Rill	109		
		c	Gully	47		
		Total		310		
7	Natarra 2C1B3c3c	Water erosion				
		a	Sheet	159	132	10-15
		b	Rill	111		
		c	Gully	48		
		Total		318		
8	Behari 2C1B3c3e	Water erosion				
		a	Sheet	150	132	10-15
		b	Rill	105		
		c	Gully	45		
		Total		300		
9	Rivai 2C1B3c1c	Water erosion				
		a	Sheet	266	132	10-15
		b	Rill	186		
		c	Gully	80		
		Total		532		
10	Kanera 2C1B3c2b	Water erosion				
		a	Sheet	125	132	10-15
		b	Rill	87		

		c	Gully	37		
		Total		249		
11	Malkhanpur 2C1B3c2c	Water erosion				
		a	Sheet	188	132	10-15
		b	Rill	131		
		c	Gully	56		
		Total		375		
12	Nousara 2C1B3c2d	Water erosion				
		a	Sheet	113	132	10-15
		b	Rill	79		
		c	Gully	34		
		Total		225		
13	Bamhauri Beldaran 2C1B3c2e	Water erosion				
		a	Sheet	63	132	10-15
		b	Rill	44		
		c	Gully	19		
		Total		125		
	Total for IWMP-XX					

Watershed Development Activities Proposed

The details of the activities of watershed works (natural resource conservation) are marked on individual field in the micro-watershed wise proposed plan (Map Section). Individual beneficiary wise estimate has been prepared for each micro-watershed and gram panchayat. Information of individual beneficiaries is kept in respective project file available with PIA. (Table 5.2 and 5.3). Similar exercise was also done for participatory crop trials. Location of these trials is marked on proposed plan of participatory crop demonstration (available in map section).

Table 5.2: Micro-watershed wise details of Watershed Development Activities proposed in IWMP-XX, Mahoba

Sr . N o.	Particular of Measures/Activities	Unit	Gyori 2C1B3b3c		Barai 2C1B3h1a		Padoura 2C1B3h1d		Pupwara 2C1B3h2c		Patha 2C1B3h2d	
			No., Length/ ha, Volume	Qanty .	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Qanty.	Qant y.	Cost (Rs. In lakh)	Qanty.
1	2	3	4	5	4	5	4	5	4	5		
I	Soil & Water Conservation Measures											
	A- Moisture Conservation Measures											
	1. Peripheral Bund (with Sodding)	Cum	178536 6	13.88	2892	1.19	0	0.00	2448	1.01	0	0.00
	2. Marginal Bund (with Sodding)	Cum	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	3. Submergence Bundhi (with Sodding)	Cum	227690 6	22.77	9671	3.77	1796 7	10.30	2880	1.19	17295	10.30
	B- Water Resource Development											0.00
	1 Erthen check dam	Cum	372516 5	38.09	7289	3.50	0	0.00	8333	5.95	0	0.00
	1a - Water storing capacity	cum.	4495	0.00	750	-	0	-	1085	-	0	-
	1b- Area proposed for irrigation	ha	7.49	0.00	1	-	0	-	2	-	0	-

	2 Farm Pond	Cum	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	2a- Water storing capacity	cum.	0	0.00	0	-	0	-	0	0.00	0	-
	2b- Area proposed for irrigation	ha	0	0.00	0	-	0	-	0	0.00	0	-
	3. Water Harvesting Bund with surplushing structure	Cum	4800	5.24	11953	8.34	1404 1	9.87	0	0.00	14005	9.87
	3a-Water storing capacity	cum.	1500		6000		6000		0	0.00	8250	
	3b. Area proposed for irrigation by WHB	ha	2.5		10		10		0	0.00	14	
	Sub Total			79.97		16.80		20.17		8.14		20.16
II	<u>Livelihood for landless People</u>											
		No. of SHGs/ No. of beneficiaries	6	1.50	2	0.50	2	0.50	1	0.26	2	0.50
	1. Goatary	do	6	1.50	2	0.50	2	0.50	1	0.25	2	0.50
	2. Back Yard Poultry	do	6	1.50	1	0.25	2	0.50	1	0.25	2	0.50
	3. Poultry (Broiler)	do	6	1.50	1	0.25	1	0.25	0	0.00	1	0.25
	4. Black Smithy	do	6	1.50	1	0.25	1	0.25	0	0.00	1	0.25
	5. Rope Making (Linseed)	do	6	1.50	1	0.25	1	0.25	0	0.00	1	0.25
	6. Tailoring	do	6	1.50	1	0.25	1	0.25	0	0.00	1	0.25
	7. Vermi composting	do	5	1.25	1	0.25	2	0.50	1	0.25	2	0.50
	8. Fruit Processing	do	5	1.25	1	0.25	1	0.25	1	0.25	1	0.25
	9. Seed Bank	do	5	1.35	1	0.20	1	0.23	0	0.00	1	0.23
	Sub Total		51	12.85	11	2.70	13	3.23	5	1.26	13	3.23
III	<u>Agriculture Production System</u>											
	(1)SMC Area											
	A- Crop Demonstrations- (Crop Wise)											

	1. Lentil	No. of farmers /Area (ha)	43	0.97	10	0.23	13	0.29	6	0.14	14	0.32
	2. Chickpea	No. of farmers /Area	42	0.95	10	0.23	12	0.27	4	0.09	14	0.32
	3. Field Pea)	No. of farmers /Area	42	0.95	10	0.23	11	0.25	4	0.09	14	0.32
	4. Til	No. of farmers /Area	41	0.92	10	0.23	11	0.25	4	0.09	10	0.23
	5. Urd	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
	6. Moong	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
	7. Arhar	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
	8. Wheat	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
	(2) Water Resource Area:			0.00		0.00		0.00		0.00		0.00
	B- Production of seeds			0.00		0.00		0.00		0.00		0.00
	1. Lentil	No. of farmers /Area (ha)	30	0.68	7	0.16	9	0.20	4	0.09	10	0.23
	2. Chickpea	No. of farmers /Area	30	0.68	6	0.14	8	0.18	4	0.09	9	0.20
	3. Field Pea	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	8	0.18
	4. Til	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	7	0.16
	5. Urd	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	6	0.14
	6. Moong	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	6	0.14
	7. Arhar	No. of farmers	30	0.68	6	0.14	8	0.18	3	0.07	5	0.11

		/Area										
	8. Wheat	No. of farmers /Area	30	0.68	6	0.14	7	0.16	3	0.07	4	0.09
	<u>Agro forestry:-</u>											
	1- Aonla	Area in ha	2	0.36	0	0.00	0	0.00	0	0.00	1	0.18
	2. Guava	Area in ha	2	0.36	0	0.00	0	0.00	0	0.00	0	0.00
	<u>Live Stock Management</u>											
	A. fodder production	Farmers/ No. of Units	31	0.19	10	0.06	10	0.06	6	0.04	10	0.06
	B. Vaccination/Medication	No. of Animals	60	0.09	19	0.03	21	0.03	9	0.01	21	0.03
	C. Artificial Insemination	No. of Animals	55	0.02	19	0.01	21	0.01	15	0.01	22	0.01
	D. Natural Service.	He Buffalo	2	0.48	0	0.00	0	0.00	0	0.00	0	0.00
	Total for Ag. Production System			14.28		3.00		3.59		1.40		3.59
	Grand Total			107.10		22.50		26.98		10.81		26.98

Micro Watershed wise details of Watershed Development Activities proposed in Watershed

Cont.....

Sr . No .	Particular of Measures/Activities	Unit	Keeratpura 2C1B3c3b		Natarra 2C1B3c3c		Behari 2C1B3c3e		Rivai 2C1B3c1c		Kanera 2C1B3c2b		
		No., Length/ ha, Volume	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)	
1	2	3	4	5	4	5	4	5	4	5			
I	Soil & Water Conservation Measures												
	A- Moisture Conservation Measures												
	1. Peripheral Bund (with Sodding)	No	7837	3.23	4640	1.91	0	0.00	11005	4.54	0	0.00	
	2. Marginal Bund (with Sodding)	No	0	0.00	7683	3.17	0	0.00	0	0.00	0	0.00	
	3. Submergence Bundhi (with Sodding)	No	6176	2.55	1120	0.46	7046	10.30	8000	3.30	3128	3.34	
	B- Water Resource Development												
	1 Erthen check dam	No	2380	1.14	7629	6.95	0	0.00	5612	2.69	2000	6.41	
	1a - Water storing capacity	cum.	300	-	450	-	0	-	600	-	2100	-	
	1b- Area proposed for irrigation	ha	1	-	1	-	0	-	1	-	4	-	
	2 Farm Pond	No.	0	0.00	0	0.00	0	0.00	5780	3.95	0	0.00	
	2a- Water storing capacity	cum.	0	-	0	-	0	-	3000	-	0	-	
	2b- Area proposed for irrigation	ha	0	-	0	-	0	-	5	-	0	-	
	3. Water Harvesting Bund with surplushing structure	No.	18277	13.92	1113	7	8.87	9295	9.86	32356	21.48	6532	6.98

	3a-Water storing capacity	cum.	11760		3360		8400		11760		8400	
	3b. Area proposed for irrigation by WHB	ha	8		6		14		20		14	
	Sub Total			20.83		21.37		20.17		35.95		16.73
II	<u>Livelihood for landless People</u>											
		No. of SHGs/ No. of beneficiaries	2	0.60	2	0.50	2	0.50	3	0.75	2	0.50
	1. Goatary	do	2	0.50	2	0.50	2	0.50	3	0.75	2	0.50
	2. Back Yard Poultry	do	2	0.50	2	0.50	2	0.50	3	0.75	1	0.25
	3. Poultry (Broiler)	do	1	0.25	1	0.25	1	0.25	2	0.50	1	0.25
	4. Black Smithy	do	1	0.25	1	0.25	1	0.25	2	0.50	1	0.25
	5. Rope Making (Linseed)	do	1	0.25	1	0.25	1	0.25	2	0.50	1	0.25
	6. Tailoring	do	1	0.25	1	0.25	1	0.25	2	0.50	1	0.25
	7. Vermi composting	do	2	0.50	2	0.50	2	0.50	3	0.75	1	0.25
	8. Fruit Processing	do	1	0.25	1	0.25	1	0.25	3	0.75	1	0.25
	9. Seed Bank	do	1	0.25	2	0.43	1	0.24	2	0.50	1	0.19
	Sub Total		13	3.35	14	3.43	13	3.24	23	5.75	11	2.69
III	<u>Agriculture Production System</u>											
	(1)SMC Area											
	A- Crop Demonstrations- (Crop Wise)											
	1. Lentil	No. of farmers /Area (ha)	14	0.32	15	0.34	14	0.32	16	0.36	13	0.29
	2. Chickpea	No. of farmers /Area	14	0.32	15	0.34	13	0.29	16	0.36	13	0.29

	3. Field Pea)	No. of farmers /Area	14	0.32	14	0.32	13	0.29	16	0.36	12	0.27
	4. Til	No. of farmers /Area	12	0.27	12	0.27	12	0.27	15	0.34	12	0.27
	5. Urd	No. of farmers /Area	12	0.27	12	0.27	11	0.25	15	0.34	11	0.25
	6. Moong	No. of farmers /Area	10	0.23	11	0.25	10	0.23	15	0.34	10	0.23
	7. Arhar	No. of farmers /Area	10	0.23	10	0.23	9	0.20	15	0.34	9	0.20
	8. Wheat	No. of farmers /Area	10	0.23	10	0.23	9	0.20	15	0.34	9	0.20
	(2) Water Resource Area:			0.00		0.00		0.00		0.00		0.00
	B- Production of seeds			0.00		0.00		0.00		0.00		0.00
	1. Lentil	No. of farmers /Area (ha)	10	0.23	10	0.23	10	0.23	14	0.32	10	0.23
	2. Chickpea	No. of farmers /Area	9	0.20	10	0.23	9	0.20	14	0.32	9	0.20
	3. Field Pea	No. of farmers /Area	8	0.18	9	0.20	8	0.18	14	0.32	8	0.18
	4. Til	No. of farmers /Area	7	0.16	7	0.16	7	0.16	14	0.32	7	0.16
	5. Urd	No. of farmers /Area	7	0.16	7	0.16	7	0.16	14	0.32	4	0.09
	6. Moong	No. of farmers /Area	6	0.14	6	0.14	6	0.14	14	0.32	3	0.07
	7. Arhar	No. of farmers /Area	6	0.14	6	0.14	6	0.14	14	0.32	0	0.00
	8. Wheat	No. of farmers /Area	4	0.09	4	0.09	5	0.11	13	0.29	0	0.00
	Agro forestry:-											

1- Aonla	Area in ha	1	0.18	1	0.18	1	0.18	2	0.36	0	0.00
2. Guava	Area in ha	0	0.00	0	0.00	0	0.00	2	0.36	0	0.00
Live Stock Management											
A. fodder production	Farmers/ No. of Units	9	0.05	8	0.05	6	0.04	18	0.11	6	0.04
B. Vaccination/Medication	No. of Animals	23	0.03	15	0.02	16	0.03	27	0.04	13	0.02
C. Artificial Insemination	No. of Animals	23	0.01	23	0.01	14	0.01	27	0.01	15	0.01
D. Natural Service.	He Buffalo	0	0.00	0	0.00	0	0.00	1	0.24	0	0.00
Total for Ag. Production System			3.72		3.82		3.60		6.38		2.99
Grand Total			27.90		28.62		27.01		48.08		22.41

Micro Watershed wise details of Watershed Development Activities proposed in Watershed

Cont.....

Sr. No .	Particular of Measures/Activities	Unit	Malkhanpur 2C1B3c2c		Nousara 2C1B3c2d		Bamhauri Beldaran 2C1B3c2e		IWMP-XX	
			No., Length/ ha, Volume	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qanty.
1	2	3	4	5	4	5	4	5	4	5
I	Soil & Water Conservation Measures									
	A- Moisture Conservation Measures									
	1. Peripheral Bund (with Sodding)	cum.	0	0.00	1482	1.47	6006	2.48	1821675	29.70
	2. Marginal Bund (with Sodding)	cum.	0	0.00	0	0.00	0	0.00	7683	3.17
	3. Submergence Bundhi (with Sodding)	cum.	15310	6.21	5172	5.19	5291	3.25	2375960	82.91
	B- Water Resource Development								4205318	115.78
	1 Erthen check dam	No	10000	6.23	4476	6.14	2199	2.68	3775084	79.78
	1a - Water storing capacity	cum.	750	-	1650	-	750	-	12930	
	1b- Area proposed for irrigation	ha	1	-	3	-	1	-	22	
	2 Farm Pond	No.	0	0.00	0	0.00	0	0.00	5780	3.95
	2a- Water storing capacity	cum.	0	-	0	-	0	0.00	3000	
	2b- Area proposed for irrigation	ha	0	-	0	-	0	0.00	5	
	3. Water Harvesting Bund with surplushing structure	No.	20925	15.19	3024	2.31	0	0.00	146344	111.93
	3a-Water storing capacity	cum.	6720		1680		0	0.00	73830	0.00
	3b. Area proposed for irrigation by WHB	ha	11		3		0	0.00	111	0.00

	Sub Total			27.63		15.12		8.40		195.66
II	<u>Livelihood for landless People</u>									
	1. Goatary	No. of SHGs/ No. of beneficiaries	2	0.55	2	0.50	1	0.35	29	7.51
	2. Back Yard Poultry	do	2	0.50	1	0.25	1	0.25	28	7.00
	3. Poultry (Broiler)	do	2	0.50	1	0.25	1	0.25	26	6.50
	4. Black Smithy	do	1	0.25	1	0.25	0	0.00	17	4.25
	5. Rope Making (Linseed)	do	1	0.25	1	0.25	0	0.00	17	4.25
	6. Tailoring	do	2	0.50	1	0.25	0	0.00	18	4.50
	7. Vermi composting	do	2	0.50	1	0.25	1	0.25	25	6.25
	8. Fruit Processing	do	2	0.50	1	0.25	1	0.25	20	5.00
	9. Seed Bank	do	2	0.50	1	0.18	0	0.00	18	4.30
	Sub Total		16	4.05	10	2.43	5	1.35	198.00	49.56
III	<u>Agriculture Production System</u>									
	(1)SMC Area									
	A- Crop Demonstrations- (Crop Wise)									
	1. Lentil	No. of farmers /Area (ha)	15	0.34	12	0.27	10	0.23	195	4.39
	2. Chickpea	No. of farmers /Area	15	0.34	12	0.27	8	0.18	188	4.23
	3. Field Pea)	No. of farmers /Area	14	0.32	10	0.23	8	0.18	182	4.10
	4. Til	No. of farmers /Area	13	0.29	10	0.23	8	0.18	170	3.83
	5. Urd	No. of farmers /Area	12	0.27	10	0.23	0	0.00	158	3.56
	6. Moong	No. of farmers /Area	11	0.25	8	0.18	0	0.00	150	3.38

	7. Arhar	No. of farmers /Area	9	0.20	8	0.18	0	0.00	145	3.26
	8. Wheat	No. of farmers /Area	9	0.20	8	0.18	0	0.00	145	3.26
	(2) Water Resource Area:									
	B- Production of seeds									
	1. Lentil	No. of farmers /Area (ha)	12	0.27	9	0.20	9	0.20	144	3.24
	2. Chickpea	No. of farmers /Area	10	0.23	8	0.18	8	0.18	134	3.02
	3. Field Pea	No. of farmers /Area	8	0.18	7	0.16	7	0.16	124	2.79
	4. Til	No. of farmers /Area	7	0.16	5	0.11	5	0.11	113	2.54
	5. Urd	No. of farmers /Area	7	0.16	3	0.07	1	0.02	103	2.32
	6. Moong	No. of farmers /Area	6	0.14	3	0.07	0	0.00	97	2.18
	7. Arhar	No. of farmers /Area	6	0.14	2	0.05	0	0.00	92	2.07
	8. Wheat	No. of farmers /Area	5	0.11	2	0.05	0	0.00	83	1.87
	<u>Agro forestry:-</u>									
	1- Aonla	Area in ha	2	0.36	0	0.00	0	0.00	10	1.80
	2. Guava	Area in ha	1	0.18	0	0.00	0	0.00	5	0.90
	<u>Live Stock Management</u>									
	A. fodder production	Farmers/ No. of Units	15	0.09	7	0.04	5	0.03	141	0.85
	B. Vaccination/Medication	No. of Animals	26	0.04	14	0.02	15	0.02	279	0.43
	C. Artificial Insemination	No. of Animals	24	0.01	15	0.01	15	0.01	288	0.12

	D. Natural Service.	He Buffalo	1	0.24	0	0.00	0	0.00	4	0.96
	Total for Ag. Production System			4.50		2.70		1.50		55.07
	Grand Total			36.18		20.25		11.25		416.06

Table 5.4: Grampanchayat wise break up of Watershed Development Activities in the Micro Watershed of IWMP-XX, Mahoba

S r. N o.	Particular of Measures/Activities	Unit	Gyori		Barayan		Bari		Pupwara		Patha	
		No., Length/ ha, Volume	Qa nty . .	Cost (Rs. In lakh)	Qa nty . .	Cost (Rs. In lakh)	Qa nty . .	Cost (Rs. In lakh)	Qanty . .	Cost (Rs. In lakh)	Qanty.	Cost (Rs. In lakh)
1	2	3	4	5	4	5	4	5	4	5		
I	Soil & Water Conservation Measures											
	A- Moisture Conservation Measures											
	1. Peripheral Bund (with Sodding)	cum.	178 536 6	13.88	289 2	1.19	0	0.00	2448	1.01	0	0.00
	2. Marginal Bund (with Sodding)	cum.	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	3. Submergence Bundhi (with Sodding)	cum.	227 690 6	22.77	967 1	3.77	179 67	10.30	2880	1.19	17295	10.30
	B- Water Resource Development		0	0.00	0	0.00			0	0.00		
	1 Erthen check dam	No	372 516 5	38.09	728 9	3.50	0	0.00	8333	5.95	0	0.00
	1a - Water storing capacity	cum.	449 5	0.00	750	-	0	-	1085	-	0	-
	1b- Area proposed for	ha	7	0.00	1	-	0	-	2	-	0	-

	irrigation										
	2 Farm Pond	No.	0	0.00	0	0.00	0	0.00		0	0.00
	2a- Water storing capacity	cum.	0	0.00	0	-	0	-		0	-
	2b- Area proposed for irrigation	ha	0	0.00	0	-	0	-		0	-
	3. Water Harvesting Bund with surplushing structure	No.	480 0	5.24	119 53	8.34	140 41	9.87		14005	9.87
	3a-Water storing capacity	cum.	150 0	0.00	600 0	0.00	600 0	0.00		8250	0.00
	3b. Area proposed for irrigation by WHB	ha	3	0.00	10	0.00	10	0.00		14	0.00
	Sub Total			79.97		16.80		20.17		8.14	
II	<u>Livelihood for landless People</u>										
	1. Goatary	No. of SHGs/ No. of beneficiaries	6	1.50	2	0.50	2	0.50	1	0.26	2
	2. Back Yard Poultry	do	6	1.50	2	0.50	2	0.50	1	0.25	2
	3. Poultry (Broiler)	do	6	1.50	1	0.25	2	0.50	1	0.25	2
	4. Black Smithy	do	6	1.50	1	0.25	1	0.25	0	0.00	1
	5. Rope Making (Linseed)	do	6	1.50	1	0.25	1	0.25	0	0.00	1
	6. Tailoring	do	6	1.50	1	0.25	1	0.25	0	0.00	1
	7. Vermi composting	do	5	1.25	1	0.25	2	0.50	1	0.25	2
	8. Fruit Processing	do	5	1.25	1	0.25	1	0.25	1	0.25	1
	9. Seed Bank	do	5	1.35	1	0.20	1	0.23	0	0.00	1
	Sub Total		51	12.85	11	2.70	13	3.23	5	1.26	13
II	<u>Agriculture Production System</u>										
I											

(1)SMC Area											
A- Crop Demonstrations- (Crop Wise)											
1. Lentil	No. of farmers /Area (ha)	43	0.97	10	0.23	13	0.29	6	0.14	14	0.32
2. Chickpea	No. of farmers /Area	42	0.95	10	0.23	12	0.27	4	0.09	14	0.32
3. Field Pea)	No. of farmers /Area	42	0.95	10	0.23	11	0.25	4	0.09	14	0.32
4. Til	No. of farmers /Area	41	0.92	10	0.23	11	0.25	4	0.09	10	0.23
5. Urd	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
6. Moong	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
7. Arhar	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
8. Wheat	No. of farmers /Area	40	0.90	10	0.23	11	0.25	4	0.09	10	0.23
(2) Water Resource Area:											
B- Production of seeds											
1. Lentil	No. of farmers /Area (ha)	30	0.68	7	0.16	9	0.20	4	0.09	10	0.23
2. Chickpea	No. of farmers /Area	30	0.68	6	0.14	8	0.18	4	0.09	9	0.20
3. Field Pea	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	8	0.18
4. Til	No. of farmers	30	0.68	6	0.14	8	0.18	3	0.07	7	0.16

		/Area										
	5. Urd	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	6	0.14
	6. Moong	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	6	0.14
	7. Arhar	No. of farmers /Area	30	0.68	6	0.14	8	0.18	3	0.07	5	0.11
	8. Wheat	No. of farmers /Area	30	0.68	6	0.14	7	0.16	3	0.07	4	0.09
	<u>Agro forestry:-</u>											
	1- Aonla	Area in ha	2	0.36	0	0.00	0	0.00	0	0.00	1	0.18
	2. Guava	Area in ha	2	0.36	0	0.00	0	0.00	0	0.00	0	0.00
	<u>Live Stock Management</u>											
	A. fodder production	Farmers/ No. of Units	31	0.19	10	0.06	10	0.06	6	0.04	10	0.06
	B. Vaccination/Medication	No. of Animals	60	0.09	19	0.03	21	0.03	9	0.01	21	0.03
	C. Artificial Insemination	No. of Animals	55	0.02	19	0.01	21	0.01	15	0.01	22	0.01
	D. Natural Service.	He Buffalo	2	0.48	0	0.00	0	0.00	0	0.00	0	0.00
	Total for Ag. Production System			14.28		3.00		3.59		1.40		3.59
	Grand Total			107.10		22.50		26.98		10.81		26.98

Grampanchayat wise break up of Watershed Development Activities in the Micro Watershed

Cont...

Sr. No.	Particular of Measures/Activities	Unit	keeratpur		Nattrra		Behari		Rivai	
			No., Length/ ha, Volume	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qanty.
1	2	3	4	5	4	5	4	5	4	5
I	Soil & Water Conservation Measures									
	A- Moisture Conservation Measures									
	1. Peripheral Bund (with Sodding)	No.	7837	3.23	4640	1.91	0	0.00	11005	4.54
	2. Marginal Bund (with Sodding)	No.	0	0.00	7683	3.17	0	0.00	0	0.00
	3. Submergence Bundhi (with Sodding)	No.	6176	2.55	1120	0.46	7046	10.30	8000	3.30
	B- Water Resource Development		0	0.00	0	0.00			0	0.00
	1 Erthen check dam	No	2380	1.14	7629	6.95	0	0.00	5612	2.69
	1a - Water storing capacity	cum.	300	-	450	-	0	-	600	-
	1b- Area proposed for irrigation	ha	1	-	1	-	0	-	1	-
	2 Farm Pond	No.	0	0.00	0	0.00	0	0.00	5780	3.95
	2a- Water storing capacity	cum.	0	-	0	-	0	-	3000	-
	2b- Area proposed for irrigation	ha	0	-	0	-	0	-	5	-
	3. Water Harvesting Bund with surplushing structure	No.	18277	13.92	11137	8.87	9295	9.86	32356	21.48
	3a-Water storing capacity	cum.	11760	0.00	3360	0.00	8400	0.00	11760	0.00
	3b. Area proposed for irrigation by WHB	ha	8	0.00	6	0.00	14	0.00	20	0.00
	Sub Total			20.83		21.37		20.17		35.95

II	<u>Livelihood for landless People</u>									
	1. Goatary	No. of SHGs/ No. of beneficiaries	2	0.60	2	0.50		20.17	3	0.75
	2. Back Yard Poultry	do	2	0.50	2	0.50			3	0.75
	3. Poultry (Broiler)	do	2	0.50	2	0.50			3	0.75
	4. Black Smithy	do	1	0.25	1	0.25	2	0.50	2	0.50
	5. Rope Making (Linseed)	do	1	0.25	1	0.25	2	0.50	2	0.50
	6. Tailoring	do	1	0.25	1	0.25	2	0.50	2	0.50
	7. Vermi composting	do	2	0.50	2	0.50	1	0.25	3	0.75
	8. Fruit Processing	do	1	0.25	1	0.25	1	0.25	3	0.75
	9. Seed Bank	do	1	0.25	2	0.43	1	0.25	2	0.50
	Sub Total		13	3.35	14	3.43	2	0.50	23	5.75
III	<u>Agriculture Production System</u>									
	(1)SMC Area									
	A- Crop Demonstrations- (Crop Wise)									
	1. Lentil	No. of farmers /Area (ha)	14	0.32	15	0.34	0	0.00	16	0.36
	2. Chickpea	No. of farmers /Area	14	0.32	15	0.34	0	0.00	16	0.36
	3. Field Pea)	No. of farmers /Area	14	0.32	14	0.32	0	0.00	16	0.36
	4. Til	No. of farmers /Area	12	0.27	12	0.27	14	0.32	15	0.34
	5. Urd	No. of farmers /Area	12	0.27	12	0.27	13	0.29	15	0.34
	6. Moong	No. of farmers /Area	10	0.23	11	0.25	13	0.29	15	0.34
	7. Arhar	No. of farmers	10	0.23	10	0.23	12	0.27	15	0.34

		/Area								
	8. Wheat	No. of farmers /Area	10	0.23	10	0.23	11	0.25	15	0.34
	(2) Water Resource Area:									
	B- Production of seeds									
	1. Lentil	No. of farmers /Area (ha)	10	0.23	10	0.23	9	0.20	14	0.32
	2. Chickpea	No. of farmers /Area	9	0.20	10	0.23	0	0.00	14	0.32
	3. Field Pea	No. of farmers /Area	8	0.18	9	0.20	0	0.00	14	0.32
	4. Til	No. of farmers /Area	7	0.16	7	0.16	10	0.23	14	0.32
	5. Urd	No. of farmers /Area	7	0.16	7	0.16	9	0.20	14	0.32
	6. Moong	No. of farmers /Area	6	0.14	6	0.14	8	0.18	14	0.32
	7. Arhar	No. of farmers /Area	6	0.14	6	0.14	7	0.16	14	0.32
	8. Wheat	No. of farmers /Area	4	0.09	4	0.09	7	0.16	13	0.29
	<u>Agro forestry:-</u>									
	1- Aonla	Area in ha	1	0.18	1	0.18	0	0.00	2	0.36
	2. Guava	Area in ha	0	0.00	0	0.00	0	0.00	2	0.36
	<u>Live Stock Management</u>									
	A. fodder production	Farmers/ No. of Units	9	0.05	8	0.05	6	0.04	18	0.11
	B. Vaccination/Medication	No. of Animals	23	0.03	15	0.02	16	0.03	27	0.04
	C. Artificial Insemination	No. of Animals	23	0.01	23	0.01	14	0.01	27	0.01
	D. Natural Service.	He Buffalo	0	0.00	0	0.00	0	0.00	1	0.24

	Total for Ag. Production System		3.72		3.82		3.60		6.38
	Grand Total		27.90		28.62		27.01		48.08

Grampanchayat wise break up of Watershed Development Activities in the Micro Watershed

Cont...

Sr. No.	Particular of Measures/Activities	Unit	Kanera		Nousara		Supa		Total	
			No., Length/ ha, Volume	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qant y.	Cost (Rs. In lakh)	Qanty.
1	2	3	4	5	4	5	4	5	4	5
I	Soil & Water Conservation Measures									
	A- Moisture Conservation Measures									
	1. Peripheral Bund (with Sodding)	cum.	0	0.00	1482	1.47	6006	2.48	1821675	29.70
	2. Marginal Bund (with Sodding)	cum.	0	0.00	0	0.00	0	0.00	7683	3.17
	3. Submergence Bundhi (with Sodding)	cum.	3128	3.34	20481	11.40	5291	3.25	2375960	82.91
	B- Water Resource Development									
	1 Erthen check dam	No	2000	6.41	14476	12.38	2199	2.68	3775084	79.78
	1a - Water storing capacity	cum.	2100	-	2400		750	-	12930	
	1b- Area proposed for irrigation	ha	4	-	1482	1.47	1	-	22	
	2 Farm Pond	No.	0	0.00	0	0.00	0	0.00	5780	3.95
	2a- Water storing capacity	cum.	0	0.00	0	-	0	0.00	3000	
	2b- Area proposed for irrigation	ha	0	0.00	0	-	0	0.00	5	
	3. Water Harvesting Bund with surplushing structure	No.	6532	6.98	23949	17.50	0	0.00	146344	111.93
	3a-Water storing capacity	cum.	8400	0.00	8400	0.00	0	0.00	73830	

	3b. Area proposed for irrigation by WHB	ha	14	0.00	14	0.00	0	0.00	111	
	Sub Total			16.73		42.75		8.40		311.44
II	<u>Livelihood for landless People</u>									
	1. Goatary	No. of SHGs/ No. of beneficiaries	2	0.50	4	1.05	1	0.35	29	7.51
	2. Back Yard Poultry	do	2	0.50	3	0.75	1	0.25	28	7.00
	3. Poultry (Broiler)	do	1	0.25	3	0.75	1	0.25	26	6.50
	4. Black Smithy	do	1	0.25	2	0.50	0	0.00	17	4.25
	5. Rope Making (Linseed)	do	1	0.25	2	0.50	0	0.00	17	4.25
	6. Tailoring	do	1	0.25	3	0.75	0	0.00	18	4.50
	7. Vermi composting	do	1	0.25	3	0.75	1	0.25	25	6.25
	8. Fruit Processing	do	1	0.25	3	0.75	1	0.25	20	5.00
	9. Seed Bank	do	1	0.19	3	0.68	0	0.00	18	4.30
	Sub Total		11	2.69	26	6.48	5	1.35	198	49.56
III	<u>Agriculture Production System</u>									
	(1)SMC Area									
	A- Crop Demonstrations- (Crop Wise)									
	1. Lentil	No. of farmers /Area (ha)	13	0.29	27	0.61	10	0.23	195	4.39
	2. Chickpea	No. of farmers /Area	13	0.29	27	0.61	8	0.18	188	4.23
	3. Field Pea)	No. of farmers /Area	12	0.27	24	0.54	8	0.18	182	4.10
	4. Til	No. of farmers /Area	12	0.27	23	0.52	8	0.18	170	3.83
	5. Urd	No. of farmers /Area	11	0.25	22	0.50	0	0.00	158	3.56

	6. Moong	No. of farmers /Area	10	0.23	19	0.43	0	0.00	150	3.38
	7. Arhar	No. of farmers /Area	9	0.20	17	0.38	0	0.00	145	3.26
	8. Wheat	No. of farmers /Area	9	0.20	17	0.38	0	0.00	145	3.26
	(2) Water Resource Area:									
	B- Production of seeds									
	1. Lentil	No. of farmers /Area (ha)	10	0.23	21	0.47	9	0.20	144	3.24
	2. Chickpea	No. of farmers /Area	9	0.20	18	0.41	8	0.18	134	3.02
	3. Field Pea	No. of farmers /Area	8	0.18	15	0.34	7	0.16	124	2.79
	4. Til	No. of farmers /Area	7	0.16	12	0.27	5	0.11	113	2.54
	5. Urd	No. of farmers /Area	4	0.09	10	0.23	1	0.02	103	2.32
	6. Moong	No. of farmers /Area	3	0.07	9	0.20	0	0.00	97	2.18
	7. Arhar	No. of farmers /Area	0	0.00	8	0.18	0	0.00	92	2.07
	8. Wheat	No. of farmers /Area	0	0.00	7	0.16	0	0.00	83	1.87
	<u>Agro forestry:-</u>									
	1- Aonla	Area in ha	0	0.00	2	0.36	0	0.00	10	1.80
	2. Guava	Area in ha	0	0.00	1	0.18	0	0.00	5	0.90
	<u>Live Stock Management</u>									
	A. fodder production	Farmers/ No. of Units	6	0.04	22	0.13	5	0.03	141	0.85

	B. Vaccination/Medication	No. of Animals	13	0.02	40	0.06	15	0.02	279	0.43
	C. Artificial Insemination	No. of Animals	15	0.01	39	0.02	15	0.01	288	0.12
	D. Natural Service.	He Buffalo	0	0.00	1	0.24	0	0.00	4	0.96
	Total for Ag. Production System			2.99		7.20		1.50		55.07
	Grand Total				22.41		22.41		56.43	
										416.06

DESIGN AND ESTIMATES OF CHECKDAM

Design of surplusing arrangement No. 1 to be constructed along with WHB							
HYDROLOGIC DESIGN							
Area (ha)	25						
slope	0.0021						
K	7.47						
a	0.17						
b	0.75						
n	0.96						
Time of Concentration							
		Le.77	Se-0.385				
L (m)	700	155.14					
S	0.0021		10.655				
		hour	Tc + b		(tc+b) power n		
Tc	32.185	0.5364	1.2864		1.274		
Intensity							
		Tr power a					
Tr	10	1.4791					
I		8.6758					
Discharge							
			Taken				
c	0.5	Coeff					
I	86.758	mm/hr					
A	25	ha					
Q	3.0124			Cumec			

HYDRAULIC DESIGN								
Length of crest weir (m)			2					
Weir height (m)			h					
$Q = 1.71 * L * h^{power(3/2)}$								
h power 3/2			0.8808					
				Taken				
h			0.919	0.8	h1			
h + free board			0.9649	0.95				
Height of WHB			2.35					
Height of water drop (H)			1.40		Say	1.4		

STABILITY ANALYSIS								
Let			Top width (m)	t	0.7			
			Bottom width (m)	T	1.5			
Weight of dam per unit length (kg)			W	3388		W square	11478544	
Horizontl water pressure (Kg)			P	980		P square	960400	
Uplift pressure (kg)			U	(T*w*H)/2	1050			
Net downward force (kg)			Wn	W-U	2338	Wn Square	5466244	
Resultant (kg)			R				2535.082642	
			H	1.4				
			Xbar		0.574242			
			Z		0.228951			
Point of Resultant (xbar+Z)					0.803194			
			EA		0.925758			
			P*H/3		457.3333			
			W*EA		3136.467			

					b/6		0.25				
					b/2		0.75				
	e = xbar+Z-b/2				e (OF)		0.053194				
	fmax = Wn/b(1+6*e/b)				fmax		1890.311				
A Safety against sliding											
					(mu*W)/P		1.192857				
B Safety against overturning					(W*EA)/(P*H/3)		2.082255				
C Safety against Tension					e<b/6 or b/6-e should be +ive		0.196806				
D Safety against Crushing					Permiss comp Stress kg/sqm	say	10000				
					PCS-fmax should be +ive		8109.689				
Depth of Foundation											
			Normal scour depth, dn		0.473[Q/f]power1/3						
			Q (cumec)	3.012							
			Q (Cusec)	106.3							
			f is silt factor, take=		1						
			[q/f]		106.302						
			[q/f] power1/3		4.73711						
			dn (ft)		2.24065						
			dn (m)		0.68313						
			Maximum scour depth, dm		1.5*dn	1.02469					
									Technical Specification		
			Foundation depth, D		1.33 dm	1.36284		1.50			
Minimum length of headwall extension (m)				E=3h+0.6 or 1.5F whichever is greater							
				F is net drop from top of transverse sill to crest							
				St= height of transverse sill= h/3						0.316667	0.30
			F (m)	1.1							

			E (m)	3.45	or	1.65	say	3.00		
Length of Basin Lb										
			Lb (m)= F(2.28*h/F+0.52)		2.738		say	2.70		
Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2										
			J (m)	1.5h1	1.2	more than H/2	0.7	1.20		
Height of the sidewall at the weir end										
			Equal to gully depth	2.35				2.35		
			M (m)	2(F+1.33h-J)			2.327	2.30		
			K (m)	Lb+.1-M			0.473	0.90		
Length of Wing wall (WL)										
			WL = 2.25h				2.1375	2.00		
Depth of Toe Wall										
			h1+0.1				0.9	1.00		

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)		
		Length	Breadth	Depth			
1	Clearing of site (Removal of trees, shrubs and bushes)	8.00	10.00				
2	Earth work						
	a) in hard soil Headwall Foundation	2.00	2.50	1.00	5.00	Effective depth will be	

						0.7 m		
	b) in hard soil RHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	c) in hard soil LHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	d) in hard soil cutoff wall	8.00	1.60	0.80	10.24			
	e)in hard soil side wall on both side	6.40	2.00	2.00	25.60	Effective depth will be 1.25 m		
	f) in hard soil Toe wall	2.00	1.60	1.00	3.20	Effective depth will be 1.00 m		
	g) in hard soil Wing wall on both side	4.00	1.80	1.50	10.80	"		
	h) Apron	2.70	2.30	0.50	3.11			
				Total	75.95			
3	Cement concrete							
	Cement Concrete (1:2:4)							
	a) Head wall coping	2.00	0.70	0.10	0.14			
	b) Apron	2.70	2.30	0.10	0.62			
	c) End sill coping	2.30	0.50	0.10	0.12			
				Total	0.88			
	Cement Concrete (1:4:8)							
	d) Toe wall	2.30	0.70	0.10	0.16			
	e) Apron	2.70	2.30	0.10	0.62			
	f) Side wall on both side	6.40	1.10	0.10	0.70			
	g) Wing wall on both side	4.00	1.00	0.10	0.40			
	h)Headwall and Headwall Extension	8.00	1.60	0.10	1.28			
				Total	3.17			

4	Requirement of sand to nullify the impact of cracks						
	a) Below cutoff wall	8.00	0.70	0.05	0.28		
	b) Below Headwall and headwall extension	8.00	1.60	0.05	0.64		
	c) Below side wall on both sides	6.40	1.10	0.05	0.35		
	d) Below wing wall on both side	4.00	1.00	0.05	0.20		
	e) Below apron	2.70	2.30	0.05	0.31		
	f) Below Toe wall	2.30	0.70	0.05	0.08		
				Total	1.86		
5	Stone Masonry in CM 1:4						
	a) Corewall	8.00	0.60	0.80	3.84		
	b) Headwall and Headwall Extension on both side-Foundation	8.00	1.50	0.70	8.40		
	c) Headwall+ Headwall Extension on both side above gully bed-super structure	8.00	1.10	1.40	12.32	Width=(0.7+1.5)/2= 1.10 m	
	d) Headwall Extension on both the side above crest	6.00	0.70	0.95	3.99		
	e) Foundation for side wall on both side	6.00	1.10	1.25	8.25		
	f) Side wall on both side -super structure (K Part)-I	1.80	1.00	0.80	1.44		
	g) Side wall on both side-above part-I mentioned in (e): (K Part)-II	1.80	0.80	0.40	0.58		
	h) Side wall on both side above part-II mentioned in (f): (K Part)-III	1.80	0.70	0.60	0.76		
	i) Side wall on both side above part-II mentioned in (f): (K Part)-IV	1.80	0.60	0.55	0.59		

	j) Side wall on both side-Super structure (M Part)-I	4.60	1.00	0.80	3.68			
	k) Side wall on both side-Super structure (M Part)-II	4.60	0.80	0.40	1.47			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	4.60	0.70	0.575	1.85	Avg. ht. of triangle portion=	0.575	
	m) Foundation for wing wall on both side	4.00	0.80	1.00	3.20			
	n) Wing wall on both side-Super structure- Part- I	4.00	0.70	0.60	1.68			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.00	0.60	0.30	0.72	Avg. ht. of triangle portion=	0.30	
	p) Toe wall: Part I	2.30	0.70	0.50	0.81			
	q) Toe wall: Part II	2.30	0.60	0.50	0.69			
	r) Transverse Sill	2.30	0.50	0.30	0.35			
	s) Apron	2.70	2.30	0.25	1.55			
						56.16		
6	M S Bar (10 mm, q)					1.50		
7	Providing rough stone pitching in u/s (both side)	35.00	2.35	0.20	16.45			
8	Cement pointing to stone masonry in CM 1:3 (sqm)							
	a) Headwall both side + Extension u/s only	8.00		1.40	11.20			
	b) Side wall both side (RHS and LHS)-Part I	6.40		1.20	7.68			
	c) Side wall both side (RHS and LHS)-Part II	1.80		1.15	2.07			

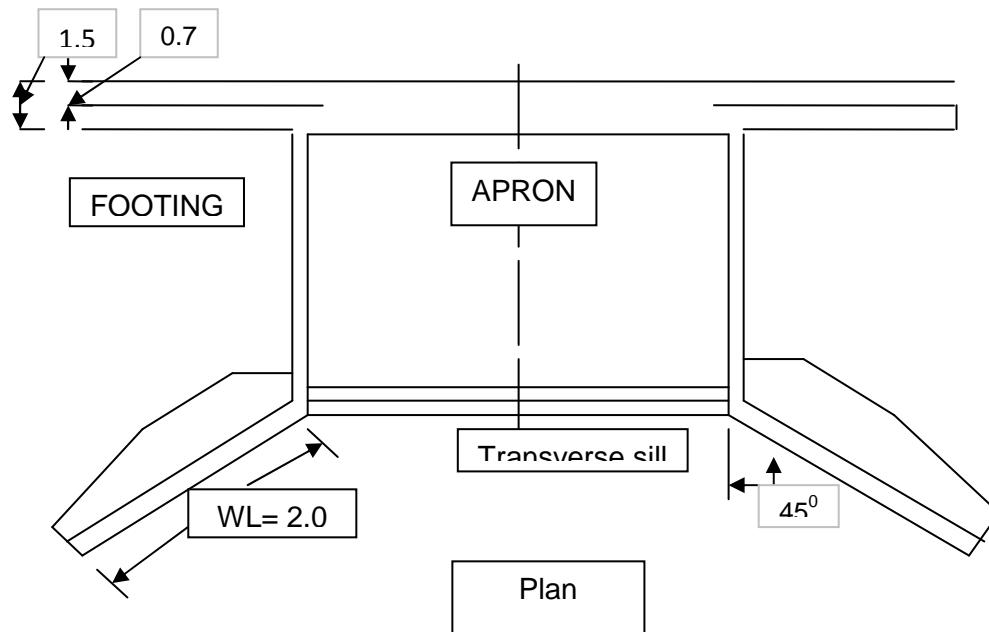
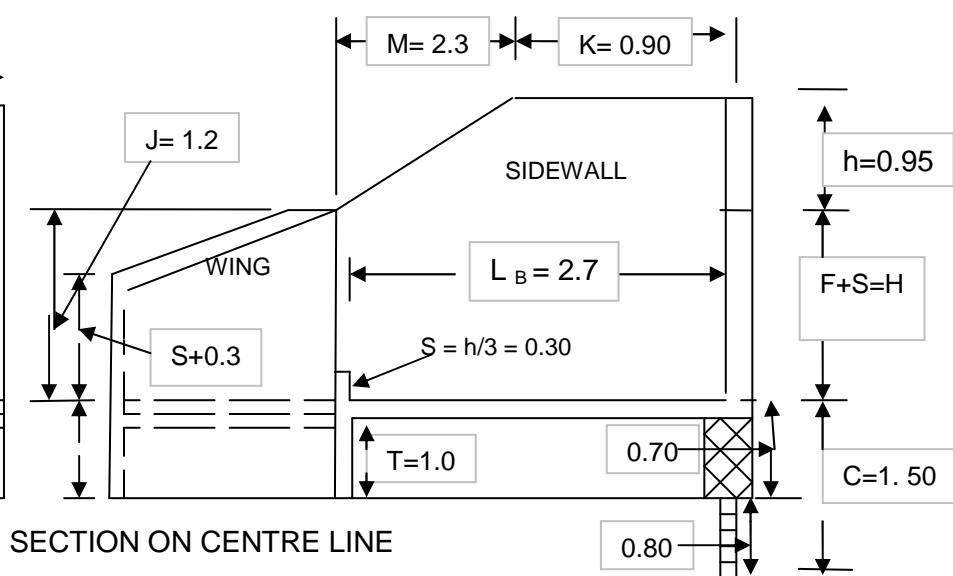
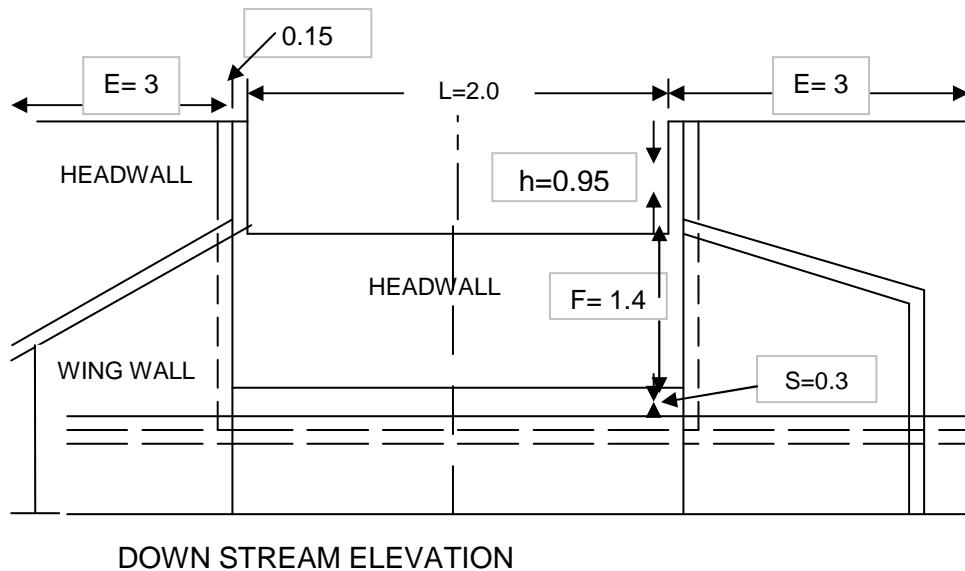
	d) Side wall both side (RHS and LHS)-Part-III	4.60		0.575	2.65	Avg. ht. of triangle portion=	0.575	
	e) Wing wall both side-Part I	4.00		0.60	2.40			
	f) Wing wall both side-Part I	4.00		0.30	1.20	Avg. ht. of triangle portion=	0.30	
				Total	27.20			
9	Filling of black clay soil in the up stream (free from any kind of gravel)				5.00	trolley		

MATERIAL ABSTRACT

						Required Quantiy					
					Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.				0.88	5.61	0.39	0.79			
2	Cement Concrete mix (1:4:8); 20 mm conc.				3.17	10.76	1.49	2.98			
3	Stone Maspnary in CM 1:4				56.16	140.41	19.10		56.16		
4	MS Bar for reinforcing										1.50
5	Boulder for pitching				16.45						16.45
6	Cement pointing to stone masonry in CM 1:3 (sqm)				27.20	1.69	0.17				
7	Black clay soil (gravel free)				5.00						
8	Requirement of sand to nullify the impact of cracks						1.86				
				Total		158.46	23.01		56.16	16.45	1.50

COST ABSTRACT						
	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	158	Bag	300.00	47538.57
	2	Sand (good quality)	23.01	m ³	900.00	20710.47
	3	Concrete-12 mm	0.79	m ³	1300.00	1024.92
	4	Concrete-20 mm	2.98	m ³	1200.00	3571.25
	5	Khanda (8"x8"x8")	56.16	m ³	1000.00	56162.00
	6	M S Bar (10 mm Saria)	1.50	q	4500.00	6750.00
	7	Boulder	16.45	m ³	700.00	11515.00
B	8	Filling of black clay soil in the up stream (free from any kind of gravel)	5.00	Trolley	700.00	3500.00
					Total	150772.20
B	9	Water supply through tanker @ 3 % of material cost				4523.17
C	10	Labour Charges @ 35%				52770.27
					Total (A+B+C)	208065.64
	11	Misc. @ 3%				6241.97
					G. Total	214307.61
		Rs. 2,14,308/- (Rs. Two lakh fourteen thousand three hundred eight only)				

Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time



Note: Figure not to scale, All dimensions are in Metre

L = Length of weir

h = Depth of weir

F = Drop through spillway from crest of weir to top of transverse sill

S = Height of transverse sill

L_B = Length of Apron

T = Depth of toewall below top of apron

C = Depth of cutoff wall below top of apron

E = Length of headwall extension

J = Height of wingwall & sidewall at junction

Technical Details of Outlet No. 1 to be constructed along with WHB

Design of surplusing arrangement No. 2 to be constructed along with WHB							
HYDROLOGIC DESIGN							
Area (ha)	20						
slope	0.0022						
K	7.47						
a	0.17						
b	0.75						
n	0.96						
Time of Concentration							
		Le.77	Se-0.385				
L (m)	600	137.78					
S	0.0022		10.61				
		hour	Tc + b	(tc+b) power n			
Tc	28.462	0.4744	1.2244		1.214		
Intensity							
		Tr power a					
Tr	10	1.4791					
I		9.0976					
Discharge							
			Taken				
c	0.5	Coeff					
I	90.976	mm/hr					
A	20	ha					
Q	2.5271			Cumec			

HYDRAULIC DESIGN								
Length of crest weir (m)		1.75						
Weir height (m)		h						
Q = 1.71*L*h power (3/2)								
h power 3/2		0.8445						
		Taken						
h		0.8935		0.9	h1			
h + free board		0.9382		0.95				
Height of WHB		2.20						
Height of water drop (H)		1.25		Say	1.25			

STABILITY ANALYSIS								
Let		Top width (m)		t	0.6			
		Bottom width (m)		T	1.3			
Weight of dam per unit length (kg)				W	2612.5		W square	6825156.25
Horizontzl water pressure (Kg)				P	781.25		P square	610351.5625
Uplift pressure (kg)				U	(T*w*H)/2		812.5	
Net downward force (kg)				Wn	W-U		1800	Wn Square
Resultant (kg)				R				1962.231271
				H	1.25			
				Xbar	0.496491			
				Z	0.209354			
Point of Resultant (xbar+Z)					0.705845			
				EA	0.803509			
				P*H/3	325.5208			
				W*EA	2099.167			

					b/6		0.216667		
					b/2		0.65		
	e = xbar+Z-b/2				e (OF)		0.055845		
	fmax = Wn/b(1+6*e/b)				fmax		1741.494		
A Safety against sliding									
					(mu*W)/P		1.152		
B Safety against overturning					(W*EA)/(P*H/3)		2.04004		
C Safety against Tension					e<b/6 or b/6-e should be +ive		0.160822		
D Safety against Crushing				Permiss comp Stress kg/sqm		say	10000		
				PCS-fmax should be +ive			8258.506		
Depth of Foundation									
			Normal scour depth, dn		0.473[Q/f]power1/3				
			Q (cumec)	2.527					
			Q (Cusec)	89.18					
			f is silt factor, take=	1					
			[q/f]	89.1755					
			[q/f] power1/3	4.46768					
			dn (ft)	2.11321					
			dn (m)	0.64427					
		Maximum scour depth, dm		1.5*dn	0.96641				
								Technical Specification	
		Foundation depth, D		1.33 dm	1.28532		1.40		
Minimum length of headwall extension (m)			E=3h+0.6 or 1.5F whichever is greater						
			F is net drop from top of transverse sill to crest						
			St= height of transverse sill= h/3		0.316667		0.30		
			F (m)	0.95					

			E (m)	3.45	or	1.425	say	3.00	
Length of Basin Lb									
		Lb (m)= F(2.28*h/F+0.52)		2.66			say	2.50	
Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2									
		J (m)	1.5h1	1.35	more than H/2	0.625		1.20	
Height of the sidewall at the weir end									
		Equal to gully depth	2.2					2.20	
		M (m)	2(F+1.33h-J)			2.027		2.00	
		K (m)	Lb+.1-M			0.573		1.00	
Length of Wing wall (WL)									
		WL = 2.25h				2.1375		2.00	
Depth of Toe Wall									
		h1+0.1				1		1.00	

WORK ABSTRACT									
Sl. No.	Item			Specification (m)			Quantity (cum)		
				Length	Breadth	Depth			
1	Clearing of site (Removal of trees, shrubs and bushes)			8.00	10.00				
2	Earth work								
	a) in hard soil Headwall Foundation			1.75	2.50	1.00	4.38	Effective depth will be	

						0.7 m		
	b) in hard soil RHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	c) in hard soil LHS of Headwall extension	3.00	2.50	1.20	9.00	"		
	d) in hard soil cutoff wall	7.75	1.60	0.70	8.68			
	e) in hard soil side wall on both side	6.00	2.00	2.00	24.00	Effective depth will be 1.25 m		
	f) in hard soil Toe wall	1.75	1.60	1.00	2.80	Effective depth will be 1.00 m		
	g) in hard soil Wing wall on both side	4.00	1.80	1.50	10.80	"		
	h) Apron	2.50	2.00	0.50	2.50			
					Total	71.16		
3	Cement concrete							
	Cement Concrete (1:2:4)							
	a) Head wall coping	1.75	0.60	0.10	0.11			
	b) Apron	2.50	2.00	0.10	0.50			
	c) End sill coping	2.00	0.50	0.10	0.10			
				Total	0.71			
	Cement Concrete (1:4:8)							
	d) Toe wall	2.00	0.70	0.10	0.14			
	e) Apron	2.50	2.00	0.10	0.50			
	f) Side wall on both side	6.00	1.10	0.10	0.66			
	g) Wing wall on both side	4.00	1.00	0.10	0.40			
	h) Headwall and Headwall Extension	7.75	1.60	0.10	1.24			

				Total	2.94			
4	Requirement of sand to nullify the impact of cracks							
	a) Below cutoff wall	7.75	0.70	0.05	0.27			
	b) Below Headwall and headwall extension	7.75	1.30	0.05	0.50			
	c) Below side wall on both sides	6.00	1.10	0.05	0.33			
	d) Below wing wall on both side	4.00	1.00	0.05	0.20			
	e) Below apron	2.50	2.00	0.05	0.25			
	f) Below Toe wall	2.00	0.70	0.05	0.07			
				Total	1.63			
5	Stone Masonry in CM 1:4							
	a) Corewall	7.75	0.60	0.70	3.26			
	b) Headwall and Headwall Extension on both side-Foundation	7.75	1.30	0.70	7.05			
	c) Headwall+ Headwall Extension on both side above gully bed-super structure	7.75	0.95	1.25	9.20	Width=(0.6+1.3)/2= 0.95 m		
	d) Headwall Extension on both the side above crest	6.00	0.60	0.95	3.42			
	e) Foundation for side wall on both side	6.00	1.10	1.25	8.25			
	f) Side wall on both side -super structure (K Part)-I	2.00	1.00	0.80	1.60			
	g) Side wall on both side-above part-I mentioned in (e): (K Part)-II	2.00	0.80	0.40	0.64			
	h) Side wall on both side above part-II mentioned in (f): (K Part)-III	2.00	0.70	0.60	0.84			
	i) Side wall on both side above part-II mentioned in (f): (K Part)-IV	2.00	0.60	0.40	0.48			

	j) Side wall on both side-Super structure (M Part)-I	4.00	1.00	0.80	3.20			
	k) Side wall on both side-Super structure (M Part)-II	4.00	0.80	0.40	1.28			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	4.00	0.70	0.500	1.40	Avg. ht. of triangle portion=	0.500	
	m) Foundation for wing wall on both side	4.00	0.80	1.00	3.20			
	n) Wing wall on both side-Super structure- Part- I	4.00	0.70	0.60	1.68			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	4.00	0.60	0.30	0.72	Avg. ht. of triangle portion=	0.30	
	p) Toe wall: Part I	2.00	0.70	0.50	0.70			
	q) Toe wall: Part II	2.00	0.60	0.50	0.60			
	r) Transverse Sill	2.00	0.50	0.30	0.30			
	s) Apron	2.50	2.00	0.25	1.25			
						49.07		
6	M S Bar (10 mm, q)					1.25		
7	Providing rough stone pitching in u/s (both side)	35.00	2.20	0.20	15.40			
8	Cement pointing to stone masonry in CM 1:3 (sqm)							
	a) Headwall both side + Extension u/s only	7.75		1.25	9.69			
	b) Side wall both side (RHS and LHS)-Part I	6.00		1.20	7.20			
	c) Side wall both side (RHS and LHS)-Part II	2.00		1.00	2.00			

	d) Side wall both side (RHS and LHS)-Part-III	4.00		0.500	2.00	Avg. ht. of triangle portion=	0.500	
	e) Wing wall both side-Part I	4.00		0.60	2.40			
	f) Wing wall both side-Part I	4.00		0.30	1.20	Avg. ht. of triangle portion=	0.30	
				Total	24.49			
9	Filling of black clay soil in the up stream (free from any kind of gravel)				5.00	trolley		

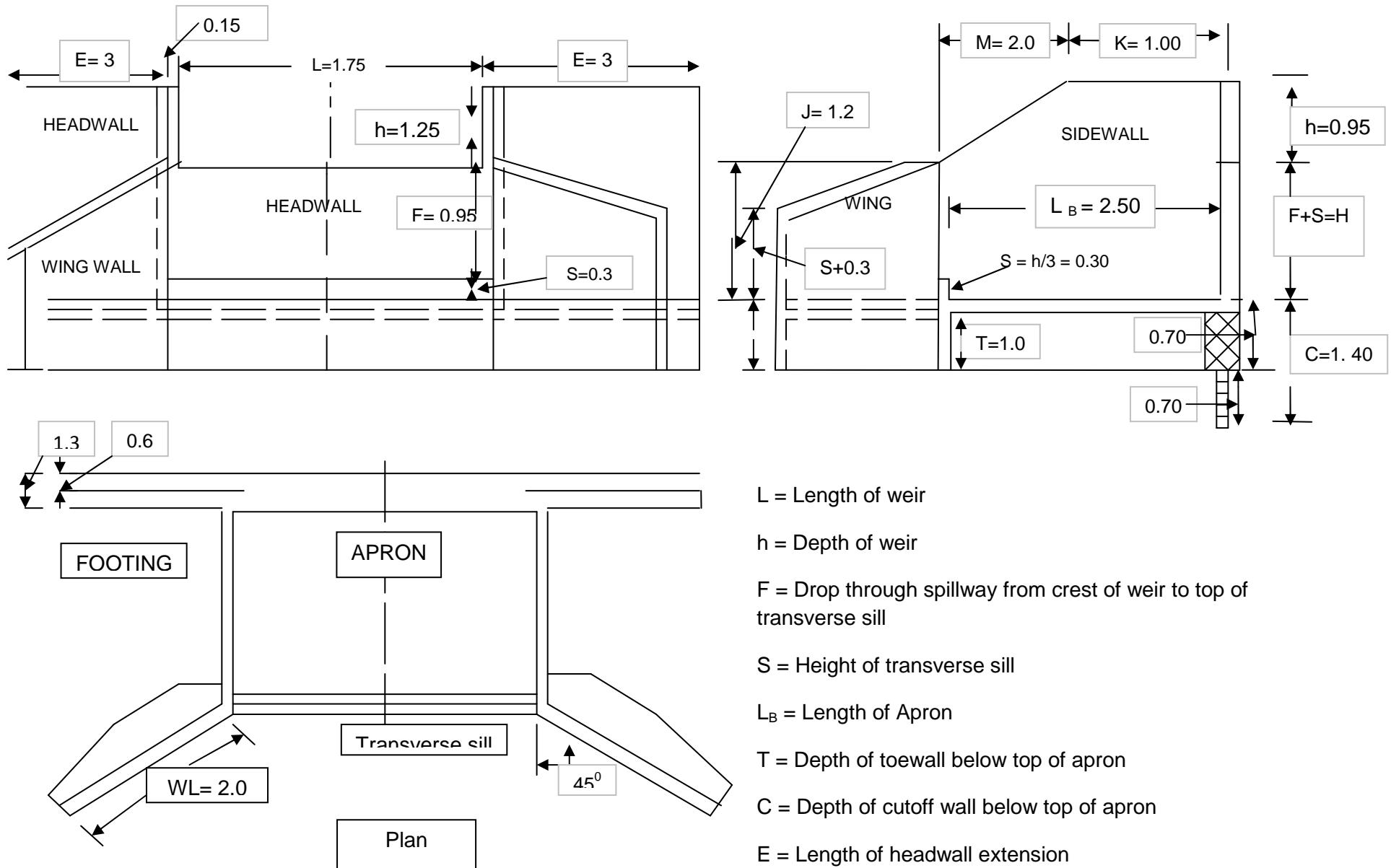
MATERIAL ABSTRACT

						Required Quantiy					
					Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.				0.71	4.51	0.32	0.63			
2	Cement Concrete mix (1:4:8); 20 mm conc.				2.94	10.00	1.38	2.76			
3	Stone Maspnary in CM 1:4				49.07	122.68	16.68		49.07		
4	MS Bar for reinforcing										1.25
5	Boulder for pitching				15.40						15.40
6	Cement pointing to stone masonry in CM 1:3 (sqm)				24.49	1.52	0.15				
7	Black clay soil (gravel free)				5.00						
8	Requirement of sand to nullify the impact of cracks							1.63			
				Total		138.70	20.16		49.07	15.40	1.25

COST ABSTRACT

	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	139	Bag	300.00	41610.84
	2	Sand (good quality)	20.16	m ³	900.00	18146.10
	3	Concrete-12 mm	0.63	m ³	1300.00	824.85
	4	Concrete-20 mm	2.76	m ³	1200.00	3316.32
	5	Khanda (8"x8"x8")	49.07	m ³	1000.00	49070.63
	6	M S Bar (10 mm Saria)	1.25	q	4500.00	5625.00
	7	Boulder	15.40	m ³	700.00	10780.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	5.00	Trolley	700.00	3500.00
					Total	132873.73
B	9	Water supply through tanker @ 3 % of material cost				3986.21
C	10	Labour Charges @ 35%				46505.81
					Total (A+B+C)	183365.75
	11	Misc. @ 3%				5500.97
					G. Total	188866.72
		Rs.1,88,867/- (Rs. One lakh eighty eight thousand eight hundred sixty seven only)				

Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time



Note: Figure not to scale, All dimensions are in Metre

J = Height of wingwall & sidewall at junction

Technical Details of Outlet No. 2 to be constructed along with WHB

Design of surplusing arrangement No. 3 to be constructed along with WHB							
HYDROLOGIC DESIGN							
Area (ha)	15						
slope	0.002						
K	7.47						
a	0.17						
b	0.75						
n	0.96						
Time of Concentration							
		Le.77	Se-0.385				
L (m)	500	119.73					
S	0.002		10.942				
		hour	Tc + b	(tc+b) power n			
Tc	25.508	0.4251	1.1751		1.168		
Intensity							
		Tr power a					
Tr	10	1.4791					
I		9.4632					
Discharge							
			Taken				
c	0.4	Coeff					
I	94.632	mm/hr					
A	15	ha					
Q	1.5772			Cumec			

HYDRAULIC DESIGN								
Length of crest weir (m)		1.25						
Weir height (m)		h						
Q = 1.71*L*h power (3/2)								
h power 3/2		0.7379						
			Taken					
h		0.8167	0.7	h1				
h + free board		0.8576	0.75					
Height of WHB		1.75						
Height of water drop (H)		1.00		Say	1			
STABILITY ANALYSIS								
Let			Top width (m)	t	0.5			
			Bottom width (m)	T	1.1			
Weight of dam per unit length (kg)				W	1760		W square	3097600
Horizontzl water pressure (Kg)				P	500		P square	250000
Uplift pressure (kg)				U	(T*w*H)/2	550		
Net downward force (kg)				Wn	W-U	1210	Wn Square	1464100
Resultant (kg)				R				1309.236419
				H	1			
				Xbar		0.41875		
				Z		0.161415		
Point of Resultant (xbar+Z)						0.580165		
				EA		0.68125		
				P*H/3		166.6667		
				W*EA		1199		
				b/6		0.183333		

					b/2		0.55		
	e = xbar+Z-b/2			e (OF)		0.030165			
	fmax = Wn/b(1+6*e/b)			fmax		1280.992			
A Safety against sliding									
				(mu*W)/P			1.21		
B Safety against overturning				(W*EA)/(P*H/3)			2.104998		
C Safety against Tension				e<b/6 or b/6-e should be +ive			0.153168		
D Safety against Crushing				Permiss comp Stress kg/sqm	say		10000		
				PCS-fmax should be +ive			8719.008		
Depth of Foundation									
			Normal scour depth, dn	0.473[Q/f]power1/3					
			Q (cumec)	1.577					
			Q (Cusec)	55.66					
			f is silt factor, take=	1					
			[q/f]	55.6554					
			[q/f] power1/3	3.818					
			dn (ft)	1.80591					
			dn (m)	0.55058					
		Maximum scour depth, dm		1.5*dn	0.82587				
								Technical Specification	
		Foundation depth, D		1.33 dm	1.09841			1.10	
Minimum length of headwall extension (m)		E=3h+0.6 or 1.5F whichever is greater							
		F is net drop from top of transverse sill to crest							
		St= height of transverse sill= h/3			0.25		0.25		
		F (m)	0.75						
		E (m)	2.85	or	1.125	say	2.50		

Length of Basin Lb									
			Lb (m)= F(2.28*h/F+0.52)			2.1		say	2.00
Height of the sidewall at end sill is taken to be minimum 1.5h1, but more than H/2									
			J (m)	1.5h1	1.05	more than H/2	0.5	1.00	
Height of the sidewall at the weir end									
			Equal to gully depth	1.75				1.75	
			M (m)	2(F+1.33h-J)			1.495	1.50	
			K (m)	Lb+.1-M			0.605	1.00	
Length of Wing wall (WL)									
			WL = 2.25h				1.6875	1.75	
Depth of Toe Wall									
			h1+0.1				0.8	0.80	

WORK ABSTRACT

Sl. No.	Item	Specification (m)			Quantity (cum)		
		Length	Breadth	Depth			
1	Clearing of site (Removal of trees, shrubs and bushes)	8.00	10.00				
2	Earth work						
	a) in hard soil Headwall Foundation	1.25	2.10	1.00	2.63	Effective depth will be 0.7 m	
	b) in hard soil RHS of Headwall extension	2.50	2.10	1.20	6.30	"	
	c) in hard soil LHS of Headwall extension	2.50	2.10	1.20	6.30	"	
	d) in hard soil cutoff wall	6.25	1.60	0.40	4.00		
	e) in hard soil side wall on both side	5.00	2.00	1.50	15.00	Effective depth will be 1 m	
	f) in hard soil Toe wall	1.50	1.60	1.00	2.40	Effective depth will be 1.00 m	
	g) in hard soil Wing wall on both side	3.50	1.80	1.50	9.45	"	
	h) Apron	2.00	1.50	0.50	1.50		
				Total	47.58		
3	Cement concrete						
	Cement Concrete (1:2:4)						

	a) Head wall coping	1.25	0.50	0.10	0.06			
	b) Apron	2.00	1.50	0.10	0.30			
	c) End sill coping	1.50	0.50	0.10	0.08			
			Total	0.44				
	Cement Concrete (1:4:8)							
	d) Toe wall	1.50	0.70	0.10	0.11			
	e) Apron	2.00	1.50	0.10	0.30			
	f) Side wall on both side	5.00	1.10	0.10	0.55			
	g) Wing wall on both side	3.50	1.00	0.10	0.35			
	h) Headwall and Headwall Extension	6.25	1.60	0.10	1.00			
			Total	2.31				
4	Requirement of sand to nullify the impact of cracks							
	a) Below cutoff wall	6.25	0.70	0.05	0.22			
	b) Below Headwall and headwall extension	6.25	1.20	0.05	0.38			
	c) Below side wall on both sides	5.00	1.10	0.05	0.28			
	d) Below wing wall on both side	3.50	1.00	0.05	0.18			
	e) Below apron	2.00	1.50	0.05	0.15			
	f) Below Toe wall	1.50	0.70	0.05	0.05			
			Total	1.25				
5	Stone Masonry in CM 1:4							
	a) Corewall	6.25	0.60	0.40	1.50			
	b) Headwall and Headwall Extension on both side-Foundation	6.25	1.10	0.70	4.81			
	c) Headwall+ Headwall Extension on both side above gully bed-super structure	6.25	0.80	1.00	5.00	Width=(0.5+1.1)/2= 0.8 m		

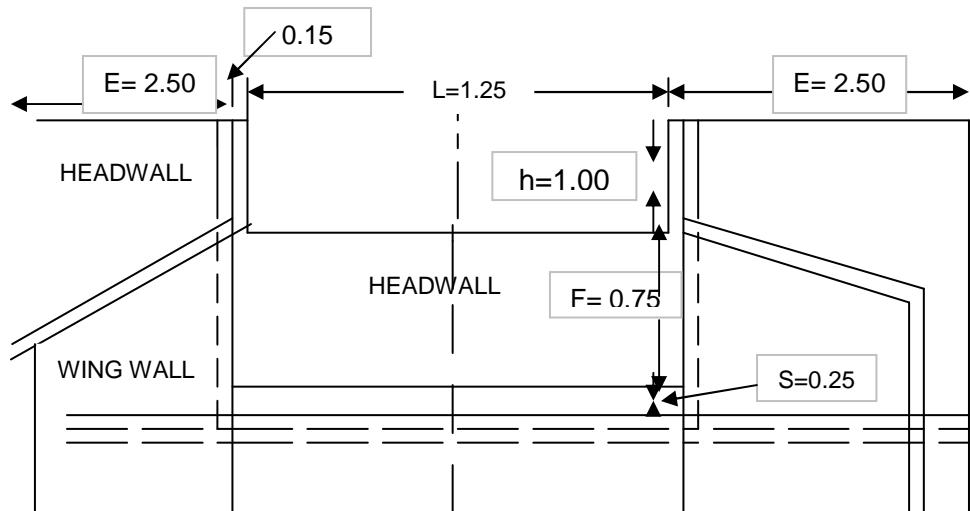
	d) Headwall Extension on both the side above crest	5.00	0.50	0.75	1.88			
	e) Foundation for side wall on both side	5.00	0.90	1.00	4.50			
	f) Side wall on both side -super structure (K Part)-I	2.00	0.80	0.50	0.80			
	g) Side wall on both side-above part-I mentioned in (e): (K Part)-II	2.00	0.70	0.50	0.70			
	h) Side wall on both side above part-II mentioned in (f): (K Part)-III	2.00	0.60	0.50	0.60			
	i) Side wall on both side above part-II mentioned in (f): (K Part)-IV	2.00	0.50	0.25	0.25			
	j) Side wall on both side-Super structure (M Part)-I	3.00	0.90	0.50	1.35			
	k) Side wall on both side-Super structure (M Part)-II	3.00	0.80	0.50	1.20			
	l) Side wall on both side above Part-II mentioned in (i): (M Part)-III	3.00	0.70	0.375	0.79	Avg. ht. of triangle portion=	0.375	
	m) Foundation for wing wall on both side	3.50	0.70	1.00	2.45			
	n) Wing wall on both side-Super structure- Part- I	3.50	0.60	0.55	1.16			
	o) Wing wall on both side-Above Part-I mentioned in (l): Part -II	3.50	0.50	0.23	0.39	Avg. ht. of triangle portion=	0.23	
	p) Toe wall: Part I	1.50	0.70	0.50	0.53			
	q) Toe wall: Part II	1.50	0.60	0.30	0.27			

	r) End Sill	1.50	0.50	0.25	0.19			
	s) Apron	2.00	1.50	0.25	0.75			
						29.11		
6	M S Bar (10 mm, q)					1.00		
7	Providing rough stone pitching in u/s (both side)	35.00	1.75	0.20	12.25			
8	Cement pointing to stone masonry in CM 1:3 (sqm)							
	a) Headwall both side + Extension u/s only	6.25		1.00	6.25			
	b) Side wall both side (RHS and LHS)-Part I	5.00		1.00	5.00			
	c) Side wall both side (RHS and LHS)-Part II	2.00		0.75	1.50			
	d) Side wall both side (RHS and LHS)-Part-III	3.00		0.375	1.13	Avg. ht. of triangle portion=	0.375	
	e) Wing wall both side-Part I	3.50		0.55	1.93			
	f) Wing wall both side-Part I	4.00		0.23	0.90	Avg. ht. of triangle portion=	0.23	
				Total	16.70			
9	Filling of black clay soil in the up stream (free from any kind of gravel)				4.00	trolley		

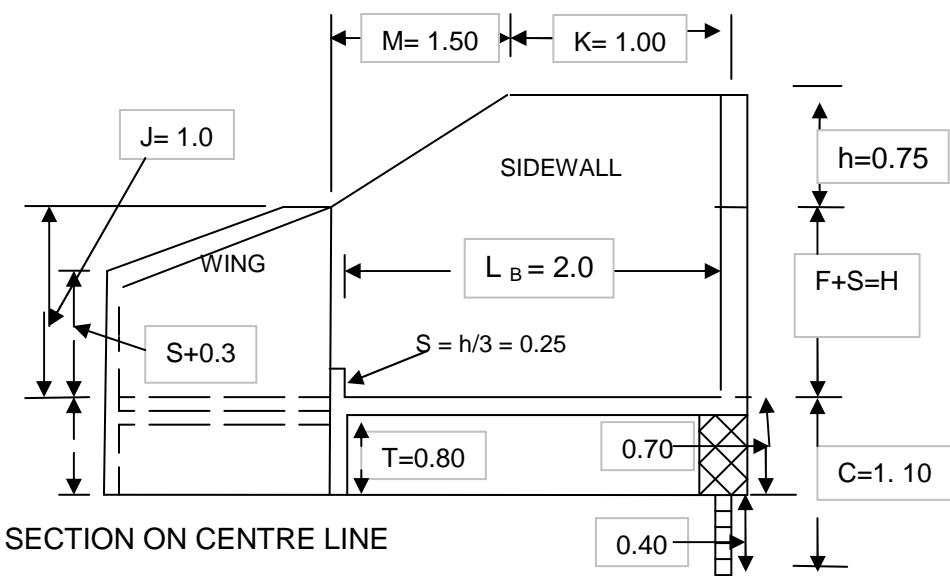
MATERIAL ABSTRACT											
						Required Quantiy					
					Quantiy,cum	Cement,bags	Sand,cum	Conc ,cum	Khanda (cum)	Boulder(cum)	MS Bar (q)
1	Cement Concrete mix (1:2:4): 12 mm conc.				0.44	2.80	0.20	0.39			
2	Cement Concrete mix (1:4:8); 20 mm conc.				2.31	7.84	1.08	2.17			
3	Stone Maspnary in CM 1:4				29.11	72.77	9.90		29.11		
4	MS Bar for reinforcing										1.00
5	Boulder for pitching				12.25						12.25
6	Cement pointing to stone masonry in CM 1:3 (sqm)				16.70	1.04	0.11				
7	Black clay soil (gravel free)				4.00						
8	Requirement of sand to nullify the impact of cracks						1.25				
				Total		84.44	12.53		29.11	12.25	1.00

COST ABSTRACT						
	Sl. No.	Item	Quantity	Unit	Rate (Rs./Unit)	Amount (Rs.)
A	1	Cement	84	Bag	300.00	25331.41
	2	Sand (good quality)	12.53	m ³	900.00	11275.03
	3	Concrete-12 mm	0.39	m ³	1300.00	511.88
	4	Concrete-20 mm	2.17	m ³	1200.00	2600.04
	5	Khanda (8"x8"x8")	29.11	m ³	1000.00	29106.25
	6	M S Bar (10 mm Saria)	1.00	q	4500.00	4500.00
	7	Boulder	12.25	m ³	700.00	8575.00
	8	Filling of black clay soil in the up stream (free from any kind of gravel)	4.00	Trolley	700.00	2800.00
					Total	84699.60
B	9	Water supply through tanker @ 3 % of material cost				2540.99
C	10	Labour Charges @ 35%				29644.86
					Total (A+B+C)	116885.45
	11	Misc. @ 3%				3506.56
					G. Total	120392.01
		Rs. 1,20,392/- (Rs. One lakh twenty thousand three hundred ninety two only)				

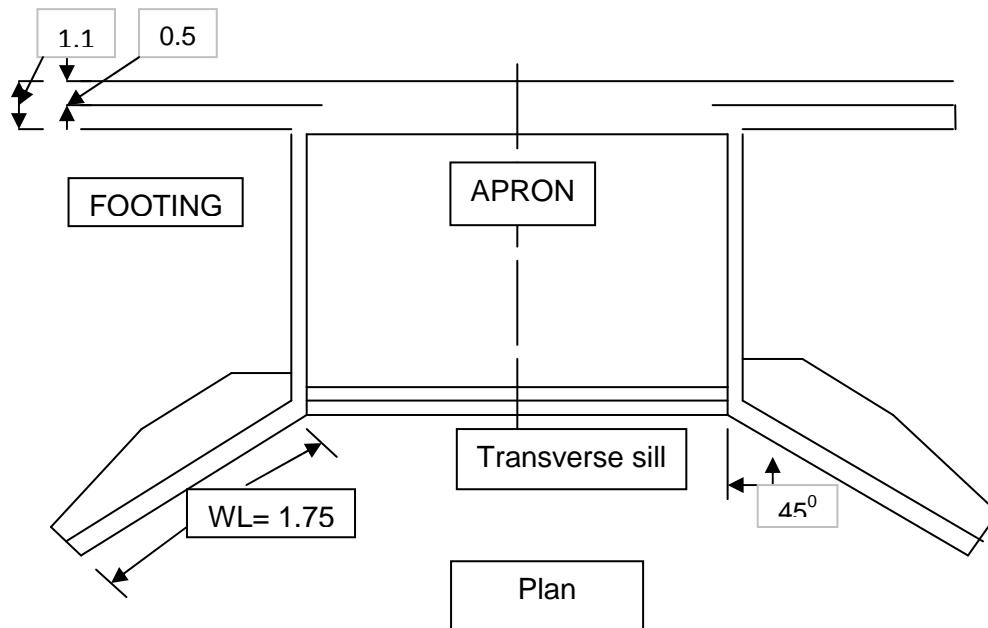
Note: The cost of materials is inclusive of all taxes and transportation to the site. It is based on the prevailing market rates. It may vary with respect to time



DOWN STREAM ELEVATION



SECTION ON CENTRE LINE



Note: Figure not to scale, All dimensions are in Metre

L = Length of weir

h = Depth of weir

F = Drop through spillway from crest of weir to top of transverse sill

S = Height of transverse sill

L_B = Length of Apron

T = Depth of toewall below top of apron

C = Depth of cutoff wall below top of apron

E = Length of headwall extension

J = Height of wingwall & sidewall at junction

CHAPTER - 6

CAPACITY BUILDING PLAN

The capacity building of various stake holders will be given very high priority as the watershed is to be developed in participatory mode. Capacity building initiative plays very important role in human resource development of model watershed to replicate and train other watershed resource persons. The capacity building initiatives include training to government officials, CBOs, farmers and PIAs through field days, hands-on trainings, exposure visits to successful watersheds, training materials and etc. Need-based specialized training courses will be conducted. The details of the training institutes for capacity building and training to stake holders on participatory watershed management are summarized in Table 6.1 and 6.2, respectively.

Table 6.1: List of identified training institutes for capacity building

Sr. No.	Name of the Training Institute	Full Address with contact no, website & e-mail	Designation of the Head of Institute	Type of Institute	Area(s) of specialization	No. of training assigned	No. of persons to be trained	Allocation to be made to the institute
1.	Krishi Vigyan Kendra	P.O. Bhojla, Unnao Bala ji Road, Bharari, Mahoba, Phne No 05102792282	Programme Coordinator	Agriculture University	Extension Agronomy Home Science Soil Science	16	800	Proposal with budget will be received
2.	National Research Center for Agro-Forestry	Glalior Road, Jhansi	Director	GOI, (ICAR)	Agro-forestry and NRM on watershed basis	16	800	-do-
3	District Gram Vikash Sansthan	Vikash Bhawan, Mahoba	Coordinator	State Govt.	Small scale	4	100	-do-
4	Indian Institute of Grass Land	Gwalior Road, Jhansi	Director, Jhansi	GoI (ICAR)	Grasses and fodder	4	100	-do-
5	Dept. Of Horticulture	Mision Compound, Mahoba	Deputy Director	State Govt.	Fruit and Vegetable Production	2	50	-do-

	Capacity Building		2790	22.2984	930	7.4328	930	7.4328			4650	37.164
	(a) SLNA level	No.	2 x 2 x 20	1.600	2 x 2 x 20	1.600	2 x 2 x 20	1.600			240	4.800
	(b) District level	"	2x 2 x 100	2.400	2x 2 x 100	2.400	2x 2 x 100	2.400			600	7.200
	(c) WDT level	"	3x 3x 4	0.216	3x 3x 4	0.216	3x 3x 4	0.216			36	0.648
	(d) WC level	"	3x3x250	18.0824	3x2x50	3.2168	3x2x50	3.2168			4086	24.516
	(2) No. of total persons trained											
	(a) SLNA level		-	-	-	-	-	-	-	-	-	-
	(b) District level	"	-	-	-	-	-	-	-	-	-	-
	(c) WDT level	"	1x3x4	0.072	-	-	-	-	-	-	12	0.072
	(d) WC level	"	1200	7.800	-	-	-	-	-	-	1200	7.800

Table 6.2: Training to stakeholders on participatory watershed management

Sl. No.	Client Group	Title of the Programme/Duration/ Time	Objectives	Coverage/Topics	Training Methodology	Training Institutions
1.	Watershed Committee & WDT members	Planning and implementation of IWMP Project (3 day)	To Strengthen WC and WDT for planning and executing the Project	Natural Resource Management Livelihood options for landless and marginal farmers. Improved Agriculture production system	Lectures, videos and visits to successful watershed	National Research Center for Agro-forestry, Gwalior Road, Jhansi

2.	User Group, SHGs members	Agriculture Production system and specialized training for SHGs (3 day)	To increase the Agriculture productivity and livelihood improvement	Integrated crop management in pulses, cereals, oilseeds, vegetables, orchards and small scale projects related to Agriculture.	Lectures, videos and visits	Krishi Vigyan Kendra, Bharari, Mahoba
3	Watershed Committee & WDT members	Management of natural resources on watershed basis and agroforestry	Awareness and strengthening of knowledge and skills	NRM, Production system and livelihood	Lectures, videos and visits to successful watershed	National Research Center for Agro-forestry, Gwalior Road, Jhansi
4	Secretaries of WC and WDT/PIA members	Book keeping and record maintenance	Maintenance of record and preparing budget	Cash book and ledger registers, preparing budget, maintenance of accounts	Lectures and practical exercise	National Research Center for Agro-forestry, Gwalior Road, Jhansi
5	PIA/WDT members	Cultivation of fodder in watershed	Awareness and knowledge enhancement	Package of practices of fodder cultivation	Lectures, videos and visits to successful watershed	Indian Grassland and Fodder Research Institute, Jhansi
6.	PIA/WDT/WC members	Knowledge of market and pricing	Awareness and knowledge enhancement	Market intelligence	Lectures, videos and visits	Agriculture Technology Management Agency (ATMA)
7	PIA/WDT members	Design of SWC structures	Strengthening of knowledge	SWC structures	Lectures, practical exercise and visits to successful watershed	NRCAF, Jhansi / CSWCRTI&RS, Datia, MP

CHAPTER - 7

PHASING OF PROGRAMME AND BUDGETING

7.1 Monitoring and Evaluation

Monitoring of the project will be done at each stage and it will be carried out for both, process and outcome. Some community members will be trained and will be involved in participatory monitoring of various parameters and processes and the crop yields. The interventions, expenditure and other information will be displayed in the micro-watershed through wall writings. Besides trained community members, PIA/DWDU will also monitor the physical and financial progress of watershed development programme. Frontier technologies viz. GIS and Remote Sensing techniques will be used by the PIA/DWDU for monitoring and evaluation. The PIA shall submit quarterly progress reports (countersigned by the Watershed Committee (WC) President) to the DWDU for further submission to the SLNA. Sustainable and unbiased monitoring will be ensured by involving an independent agency. About 1 per cent of the total budget will be used on this activity.

Plan for Evaluation

Watershed development activities bring about both tangible and intangible benefits. In order to quantify the benefits, impact analysis has been proposed.

Theme

It is presumed that as a consequence of watershed development activities there will be noticeable change in socio-economic status of inhabitants, cropping intensity, ground water recharge, crop diversification, fuel, fodder and small timber availability, livestock composition and milk production, etc. These indicators can be gauged over bench mark data both at the beginning and at the end of the project within the watershed.

Observations

The following indicators will be taken into account for quantitative and qualitative assessment. For the purpose, detailed questionnaires will be prepared and field observations will be carried out.

- Duration of availability of drinking water/irrigation and groundwater recharge
- Irrigation frequency and area under irrigation
- Changes in cropping pattern and cropping systems in the farmers fields along with productivity and incomes
- Soil health
- Satellite monitoring for vegetation cover and other parameters
- Fuel, fodder and small timber availability
- Livestock composition and productivity
- Periodic pest and disease monitoring will be done in major crops

- Socio-economic aspects including resource inventory
- Following indices will also be worked out as qualitative indicators of the watershed development:
- Land Improvement Index (LII)
- Crop Diversification Index (CDI)
- Cultivated Land Utilization Index (CLUI)
- Crop Fertilization Index (CFI)
- Induced Watershed Eco-Index (IWEI)

The concurrent and post-project monitoring and evaluation would be conducted to assess the status of watershed related interventions. It will be done by an independent agency having similar experiences. About 1 per cent of the total budget will also be used on evaluation.

7.2 Annual Action Plan (AAP)

Physical and financial targets and outlays and their year wise break ups are given Table 7.1. Year wise financial phasing for the budget available (Rs. 553.73 lakh) with IWMP-XX, district Mahoba is given in Table 7.2.

Table 7.1: Physical and financial targets and outlays and their year wise break ups of IWMP-XX, Mahoba

Project - IWMP-XX					PIA-		Dept, of Ag., Mahoba				Distri ct-	Maho ba
S. N o	Physical and financial targets	unit	First Year 2011-12		Second Year 2012-13		Third Year 2013-14		Fourth Year 2014-15		Total Project	
			Physi cal	Financ ial	Physi cal	Financ ial	Physic al	Financi al	Physi cal	Financ ial	Physi cal	Financ ial
1	2	3	4	5	6	7	8	9			10	11
1	Administration			2.75		27.53		16.52		8.26	0	55.07
2	Monitoring			0.00		2.75		1.38		1.38	0	5.51
3	Evaluation			0.00		1.10		2.48		1.93	0	5.51
4	Entry point activities	No.									0	0.00
	(1) Planned		13	22.03	0	0.00	0	0.00	0	0.00	13	22.03

	(a) No. of Activities	No.	13	0.00	0	0.00	0	0.00	0	0.00	13	0.00
	(b) No. of beneficiaries	No.	14500	0.00	0	0.00	0	0.00	0	0.00	14500	0.00
	(2) Executed		13	0.00	0	0.00	0	0.00	0	0.00	13	0.00
	(c) No. of Activities	No.	13	0.00	0	0.00	0	0.00	0	0.00	13	0.00
	(d) No. of beneficiaries	No.	14500	0.00	0	0.00	0	0.00	0	0.00	14500	0.00
5	Institutional & Capacity Building										0	0.00
	(1) No. of Persons to be trained		216	1.38	2116	13.77	1914	12.39			4246	27.53
	(a) SLNA level	No.	0	0.00	120	1.08	120	1.08			240	2.16
	(b) District level	„	30	0.24	270	2.16	180	1.44			480	3.84
	(c) PIA level (OFFICIAL/WDT/SECA RATORY)	„	30	0.21	270	1.89	270	1.89			570	3.99
	(c) PIA level (FARMERS)	„	156	0.93	1456	8.64	1344	7.98			2956	17.54
6	DPR Preparation	MWS No.	9	5.51	0	0.00	0	0.00	0	0.00	9	5.51
7	Watershed Development Works		-								0	0.00

	(1) SMC	cum	0	0.00	21026 59	58	126159 5	35	84106 4	23	42053 18	115.78
	(2) Water Resource Development										0	0.00
	(a) Structures	No.	0		19636 04	98	117816 2	59	78544 2	39	39272 08	195.66
	(b) Storage capacity	cum		-	44880	0	26928	0	17952	-	89760	0.00
	(c) Life saving irrigation area	Ha.			69	0	41	0	28		138	0.00
	(d) User Groups	No.			19636 04		117816 2		78544 2		39272 08	0.00
8	Production system										0	0.00
	(1) Agriculture										0	0.00
	(a) Crop demonstration										0	0.00
	(1) No. of dem.	No.	0	0.00	1200	13	1200	13	267	3	2666	29.99
	(2) Area	Ha.			600		600		133		1333	0.00
	(b) Seed Production		0								0	0.00
	(1) No. of dem.	No.	0	0.00	801	9	801	9	178	2	1780	20.03
	(2) Area	Ha.	0		401		401		89		890	0.00
	(2) Horticulture/ Agri-Horticulture		0								0	0.00
	(a) Area	Ha.	0	0.00	7	1	7	1	2	0	15	2.70

	(b) No. of Plants	No.		0.00							0	0.00
	(4) Animal husbandry										0	0.00
	A. fodder production	No. of Units / Farmers	0	0.00	63	0	63	0	14	0	141	0.85
	B. Vaccination/Medication	No. of Animals			126	0	126	0	28	0	279	0.43
	C. Artificial Insemination	No. of Animals			130	0	130	0	29	0	288	0.12
	D. Natural Service.	He Buffalo			2	0	2	0	0	0	4	0.96
9	Livelihood activities through SHG's										0	0.00
	(1) Activity Goatary										0	0.00
	(a) No. of SHG's	No.	0	0.00	13	3	13	3	3	1	29	7.51
	(b) No. of members	No.	0	0.00	131	0	131	0	29	0	290	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(2) Activity- Back Yard Poultry		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	13	3	13	3	3	1	28	7.00
	(b) No. of members	No.	0	0.00	126	0	126	0	28	0	280	0.00

	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(3) Activity- Poultry , Broiler		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	12	3	12	3	3	1	26	6.50
	(b) No. of members	No.	0	0.00	117	0	117	0	26	0	260	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(4) Black Smithy										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	17	4.25
	(b) No. of members	No.	0	0.00	77	0	77	0	17	0	170	0.00
	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(5) Rope making										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	17	4.25
	(b) No. of members	No.	0	0.00	77	0	77	0	17	0	170	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(6) Tailoring										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	18	4.50

	(b) No. of members	No.	0	0.00	81	0	81	0	18	0	180	0.00
	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(8) Vermi Composting										0	0.00
	(a) No. of SHG's	No.	0	0.00	11	3	11	3	3	1	25	6.25
	(b) No. of members	No.	0	0.00	113	0	113	0	25	0	250	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(9) Food processing										0	0.00
	(a) No. of SHG's	No.	0	0.00	9	2	9	2	2	1	20	5.00
	(b) No. of members	No.	0	0.00	90	0	90	0	20	0	200	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(13) Seed Bank										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	18	4.30
	(b) No. of members	No.	0	0.00	81	0	81	0	18	0	180	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00

1 0	Consolidation & Withdrawl Phase activities		0	0.00	0	0.00	0	0.00	0	16.52		0	16.52
										Grand Total	62338 2		553.73

Table 7.2: Year wise financial phasing (Rs in Lakh) Project IWMP-XX, Deptt. of Ag., Charkhari, Mahoba

Particulars	1st Year	2nd Year	3rd Year	4th Year	Total
Administrative Cost-10%	2.75	27.53	16.52	8.26	55.07
Monitering-1%	0.00	2.75	1.38	1.38	5.51
Evalution-1%	0.00	1.10	2.48	1.93	5.51
Entry Point Activity-4%	22.03	0.00	0.00	0.00	22.03
Institution & Capacity Building-5%	1.38	13.77	12.39	0.00	27.53
DPR-1%	5.51	0.00	0.00	0.00	5.51
Watershed Dev. Work-56%	0.00	155.72	93.43	62.29	311.44
Livelihood Activity-9%	0.00	22.30	22.30	4.96	49.56
Production System & Micro enterprises-10%	0.00	24.78	24.78	5.51	55.07
Consolidation-3%	0.00	0.00	0.00	16.52	16.52
Total	31.66	247.96	173.28	100.83	553.73

Note: The phasing of actual amount required for the development is done in above Table. The budget available under IWMP-XX is Rs. 550.68 lakh, however, the activities are planned for the Rs. 553.73. The deficit of Rs. 3.05 lakh will be making up through convergence of different development schemes of central and state govt.

7.3 Details of Convergence

The details of convergence of different developmental schemes are given Chapter 5.

7.4 Benefit Cost Analysis

Benefit cost analysis for Bhadokhar micro-watershed and for the project were given in Table 7.3 and 7.4, respectively. Similar analysis for each micro-watershed was also carried out and kept in respective project file. The overall B:C ratio for pre and post project is 1.79 and 2.51, respectively.

Table 7.3: Micro-watershed wise benefit cost analysis of IWMP-XX, Mahoba

Present Situation

S. No.	Name of Crop (Season wise)	Area (ha)	Production (quintal)	Productivity q/ha	Cost/ ha	Rate Rs/q	Gross Return Rs	Gross Return/ha	Total Cost Rs	Net Return	Net Return /ha	B:C Ratio
1	Urd	1670.11	6179.41	3.70	9500	5500	33986765	20350	9185612	24801153	14850	2.14
2	Moong	277.63	943.93	3.40	9200	5800	5474814	19720	1610240	3864575	13920	2.14
3	Arhar	549.40	3186.49	5.80	11800	6000	19118967	34800	3296374	15822593	28800	2.95
4	Sorghum	168.89	1080.91	6.40	4500	2600	2810363	16640	439119	2371244	14040	3.70
5	Til	1571.90	3301.00	2.10	4200	7000	23106986	14700	11003327	12103659	7700	3.50
Total		4237.93	14691.75				84497895		25534671	58963224		
1	Wheat	1859.94	38593.71	20.75	12500	1800	69468684	37350	3347888	66120796	35550	2.99
2	Barley	350.19	4762.52	13.60	6500	1200	5715019	16320	420222	5294797	15120	2.51
3	Masoor	1209.11	6166.48	5.10	9500	4200	25899200	21420	5078275	20820926	17220	2.25
4	Gram	3688.84	22870.81	6.20	8560	2800	64038262	17360	10328752	53709510	14560	2.03
5	Field Pea	354.10	2762.01	7.80	8240	2400	6628827	18720	849850	5778977	16320	2.27
Total		7462.18	75155.53				171749993		20024987	151725007		2.35
Cropping Intensity		117.7665848			Over All B:C	2.35						

	Cultivable Area (ha)	9935.00										
	Total Number of Farm Families in MWS	5229										
	Net Return per Household	29016.1										

Expected Out come

S. No .	Name of Crop (Season wise)	Area (ha)	Productio n (quintal)	Productivit y q/ha	Cost/ ha	Rat e Rs/ q	Gross Return Rs	Gross Return/h a	Total Cost Rs	Net Return	Net Retur n /ha	B:C Rati o
1	Urd	2104.34	11047.79	5.25	9500	550 0	60762824	28875 1	1157387 1	49188953	23375	3.04
2	Moong	333.15	1752.38	5.26	9200	580 0	10163832	30508	1932287	8231544	24708	3.32
3	Arhar	653.78	4739.91	7.25	11800	600 0	28439463	43500	3922685	24516779	37500	3.69
4	Sorghum	207.74	1566.34	7.54	4500	260 0	4072479	19604	540117	3532363	17004	4.36
5	Til	1823.41	5269.65	2.89	4200	700 0	36887552	20230	1276385 9	24123693	13230	4.82
	Total	5122.42	24376.07				14032615 1	142717	3073281 9	10959333 2		
1	Wheat	2008.73	45377.28	22.59	12500	180 0	81679103	40662	3615719	78063383	38862	3.25

2	Barley	367.69	5938.26	16.15	6500	120 0	7125915	19380	441233	6684681	18180	2.98
3	Masoor	1995.04	12608.63	6.32	9500	420 0	52956248	26544	8379153	44577094	22344	2.79
4	Gram	3910.17	27292.99	6.98	8560	280 0	76420370	19544	1094847 7	65471893	16744	2.28
5	Field Pea	368.27	3145.01	8.54	8240	240 0	7548024	20496	883844	6664181	18096	2.49
	Total	8649.90	94362.17			22572965 9	126626	2426842 6	20146123 3			2.93
	Cropping Intensity	138.62			Over All B:C	2.9						
	Cultivable Area (ha)	9935.00										
	Total Number of Farm Families in MWS	5229										
	Net Return per Household	38527.68										

Present situation

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	2087	1043	3132	650
Milking Animals	1000	450	800	
Average Milk Production Lit. / day	1580	1737	256	
Average Milk Production /Animal/ day	1.58	3.86	0.32	
Sale of Milk per day (Rs) @ Rs 15/Lit	23700	26055	3840	
Average 150 day milking days & Goat 90 days in a year (Total Rs)	3555000	3908250	345600	
Meat Animals			1500	
Average rate of one kids Rs			2500	
Total Sale in a year Rs			3750000	
Working Animals (Bullocks)				650
One year work one agriculture fields 180 days @ 200/ day (One pair)				36000
Total Work value of all working animals				11700000
Total value earned by animals in a year				23258850
Total INCOME/FAMILY	5229			4448.05
Total Expenditure / family				3620
B:C Ratio				1.2

Projected Situation

Particulars	Cows	Buffaloes	Goat	Bullocks
Total Animals in Micro watershed Area	3000	1500	4000	800
Milking Animals	1350	700	1500	
Average Milk Production Lit. / day	2970	3780	900	
Average Milk Production /Animal/ day	2.2	5.4	0.6	
Sale of Milk per day (Rs) @ Rs 15/Lit	44550	56700	13500	
Average 150 day milking days & Goat 90 days in a year (Total Rs)	6682500	8505000	1215000	
Meat Animals			2000	
Average rate of one kids Rs			2800	
Total Sale in a year Rs			5600000	
Working Animals (Bullocks)				800
One year work one agriculture fields 200 days @ 220/ day (One pair)				44000
Total Work value of all working animals				17600000
Total value earned by animals in a year				39602500
Total INCOME/FAMILY	5229.00			7573.63
Total Expenditure / family				3620
B:C Ratio				2.09

Table 7.4 : Outcomes & Benefit cost analysis of IWMP-XX, Mahoba

Net Income / Family	Present	Projected
Agriculture	29016.07	38527.68
Animal Husbandry	4448.05	7573.63
Total (Ag+AH)	33464.11	46101.31
Over All B:C of MWS		
Agriculture	2.35	2.93
Animal Husbandry	1.23	2.09
Over All B: C MWS	1.79	2.51

Note: Similarly B:C ratio was worked out for other micro-watersheds also and kept in respective project file available with PIA

CHAPTER - 8

CONSOLIDATION AND WITHDRAWAL STRATEGY

8. Consolidation and Withdrawal Strategy

Success of any program depends on sustainability of the various watershed interventions and sustainability can only be achieved through active participation of community. Active participation and cooperation of community can be ensured by building their capacities through exposures and trainings. From the beginning emphasis will be on capacity building and empowerment of stakeholders. The Watershed Committee, SHGs, Area Groups, Users Group and other CBOs will be established, trained, and strengthened to continue development after withdrawal of PIA. By building economic activities through CBOs community participation will be sustained. The PR&D approach along with demand driven interventions will reduce dependency on subsidies. Contributions from the community will be ensured for the entire activities to develop sense of belongingness and these contributions will be deposited to the account of Watershed Development Fund. Watershed Development Fund will also be strengthening through donations from the individual and institutions and the CBOs will be trained to run watershed as business model on sustainable basis. The tangible economic benefits along with empowerment and hand holding by PIA will empower the CBOs to develop and sustain the watershed activities after withdrawal of the PIA. Community organizations will withdraw the money from the WDF to maintain the asset created during the implementation phase. The consolidation phase will also include

- Writing of project completion report
- Documentation of success stories
- Making films, leaflets, bulletins and the lessons learnt.

The expenditure will be done as per the Common Guidelines for Watershed Development Projects 2008.

The completion report will reflect the development on following aspects:

- Productivity enhancement (increase in total productivity, seed replacement, farm mechanization, resources use and operational efficiency.)
- Nutritional security (Production of diverse food commodities)
- Risk minimization (Integrated farming system, water harvesting and protected cultivation, value addition and improved marketing)
- State of environment (Improvement in vegetative cover, hydrology and adoption of IPNM)
- Profitability (Loss preventing and cost reducing measures, value addition and agro-processing.)
- Livelihood security (skill enhancement capacity building, increased employment in agriculture and allied enterprises. Reduction in drudgery of farm women and out migration)

CHAPTER - 9

EXPECTED PROJECT OUTCOME

9.1 Employment Generation and Checking Migration

There had been very heavy migration from Bundelkhand region. During drought years, it is as high as 39% against an average migration rate of 11%, in other regions of Uttar Pradesh towards northern part of the country, specially the states of Delhi, Punjab and Haryana, as agriculture labours, factory workers, rickshaw pullers etc. The major reason attributed to high rate of migration is continuous drought in the region and absence of any other alternate livelihood opportunity, in spite of several anti-poverty programmes.

Due to watershed management the cropping intensity will be increased by around 20.50 per cent, in turn acreage in agricultural activities will be increased by about 950 ha. Therefore, an additional employment of about 95,000 man days will be generated annually. Therefore, no migration in search of livelihoods is expected after implementation of watershed programme.

9.2 Other Expected Outcome*

The following tangible benefits are expected after implementation of the project:

- Runoff will be reduced by about 30 per cent, however soil and nutrient loss may be reduced up to 40 per cent from the watershed.
- Irrigation intensity may be increased to 40 per cent from present 3 per cent life saving irrigation.
- Surface water in nallah may be available for more than 8 months against 4-5 months at present.
- Average ground water recharge of about 4 m may be easily obtained after implementation of the programme
- Productivity of crops may be increased by about 25 per cent
- Significant saving of seeds may be obtained through crop demonstration with improved package of practices
- During implementation phase about 1,50,000 mandays will be created through the soil and water conservation measures and crop/agroforestry interventions.
- The overall B C ratio of the project is estimated to be 2.51 as compared to the 1.79 in pre project scenario (detailed analysis is given in Chapter 7)

*Above mentioned outcomes are based on the meta analysis of 636 watershed projects throughout the country done by ICRISAT, Hyderabad and practical experience of watershed management in Bundelkhand region.

9.3 Questions to be answered

This project will answer the following questions :

1. Will the measures taken for water harvesting sufficient enough to recharge the perched water table?
2. Will the soil and water conservation practices be helpful in combating drought?
3. Will alternate land use such as agroforestry land use system result in self reliance/prosperity in drought prone areas?
4. Can the strategies based on watershed basis yield fruitful results?
5. Response of the villagers towards the project and their participation in sustaining developed resources after withdrawal of the project?
6. Will the formation of SHGs will help in savings and generation of self employment?
7. Will the watershed programmes improve the socio-economic conditions of the stake holders?
8. Will the watershed programme helps in capacity building of the stake holders for dissemination of various activities of watershed programme?
9. Will it sustain after project withdrawal?

9.4 Problems that could be solved as a results of this project/study

Following problems can be tackled in the proposed watershed :

1. Solving the problems of shortage of fuel, fodder, fruit and small timber requirement of villagers.
2. Creating water resources for ground water recharge availability of surface water for animal drinking and nistar purposes.
3. Increasing fertilizer consumption and improving NPK consumption ratio.
4. Optimizing crop productivity by putting more area under HYV and irrigation.
5. Increasing cropping intensity.
6. Promoting dairying through increased fodder availability.
7. Improving basic amenities and facilities like health, education, drinking water etc.
8. Increasing per capita income and thereby standard of living of farming community.
9. Increasing co-operative membership.
10. Increasing self employment.
11. Improving living standard of society.

ANNEXURE-I
BENEFICIARIES WISE DETAILS OF DEVELOPMENTAL ACTIVITIES

Micro-watershed wise beneficiary details of Proposed / Planned W/S Development Activities (Individual) kept in project file

S. No.	Name of Work	Benefited area (ha)	Field No. / Khasara No.	Area of work		C.S. (Area)	Work Measurement	Rate	Total Cost (Rs.)	Mandy	Name of Farmers
				Length	Width * Height						Rs. 120/Labour
1	S.B. 1	8.07	224, 228 to 290	250	3.90+0.6 0*1.10	2.47	617.5	41.21	2544 7	212	Brajendra kumar, Balvan Singh, Vishvanath etc.
2	S.B. 2	5.9	226, 227	200	3.90+0.6 0*1.10	2.47	494	41.21	2035 8	170	Nandkishor, rajrani
3	S.B. 3	10.71	142 to 148, 164, 165, 167	400	4.30+0.7 0*1.20	3.00	1200	41.21	4945 2	412	Bhura, Malkhan Singh, Ramdas, Ramshevak, Manpyare etc.
4	S.B. 4	4.513		250	150	3.50+0.5 0*1.00	2.00	300	41.21	1236 3	Raghuvar, Munna, Jayprakash etc.
5	S.B. 5	10.928	531 to 536	180	3.50+0.5 0*1.00	2.00	360	41.21	1483 6	124	Arvindra, Suraj

											Prasad, Madan Pal, Chhatrapal etc.
6	S.B. 6	3.948	637, 640, 641	200	3.50+0.5 0*1.00	2.00	400	41.21	1648 4	137	Santosh, Arvindra, Panna Lal, Ramgiri etc.
7	S.B. 7	17.225	463, 439, 441, 452, 437, 438, 446, 447	900	3.50+0.5 0*1.00	2.00	1800	41.21	7417 8	618	Bachchan, Rajabai, Indra Pal, Ashok, Ramsvarup, Vimla
Total		61.294		2280					2131 18	1776	
1	P.B 1	7.234	414, 415, 424, 428	300	3.00+0.6 0*1.10	2.47	741	41.21	3053 7	254	Sundar, Narayans Singh, Jagdish Singh
2	P.B 2	5.022	409, 410, 406, 417, 427	300	3.00+0.6 0*1.10	2.47	741	41.21	3053 7	254	Dharm Singh, Narayan, Ramskhi
Total		12.256		600					6107 3	509	
1	C.D 1	2.932	232, 233, 234	170		7.04	1196.8	43.18	5167 8	431	Ramshevak, Kraparam, Rajaram etc.
2	C.D 2	4.628	244, 245	50		7.04	352	43.18	1519 9	127	Indra Pal, Bhupat
3	C.D 3	2.878	154, 155	40	8.40+1.2 0*1.80	8.64	345.6	44.34	1532 4	128	Lalji, Nandkishor

4	C.D 4	4.411	307, 313	80	10.4	832	44.34	3689 1	307	Keshar Devi, Mohan Singh	
5	C.D 5	3.501	150, 153	20	12.00+2. 00*2.50	17.5	350	47.95	1678 3	140	Gulab Singh, Motilal
6	C.D 6	5.577	470, 471, 474	20	12.00+2. 00*2.50	17.5	350	47.95	1678 3	140	Kamlarani, Baladeen, Indrabhan Singh
7	C.D 7	5.473	456 to 459	20	12.00+2. 00*2.50	17.5	350	47.95	1678 3	140	Indrabhan Singh, Guman Singh etc.
	Pucca Work								8000 0	667	
8	C.D 8	7.782	453, 454, 473, 474	20	12.00+2. 00*2.50	17.5	350	47.95	1678 3	140	Baladeen, Indrabhan Singh etc.
9	C.D 9	3.082	478, 480, 485/2	20	12.00+2. 00*2.50	17.5	350	47.95	1678 3	140	G.R.B., Raghunath Singh, Raghuvir Singh
	Pucca Work								8000 0	667	
Tot al		40.264		440					3630 04	3025	
1	W.H.B 1	12.886	513, 514, 517 to 521	350	8.40+1.2	8.64	3024	44.34	1340	1117	Arvindra, Gedara, J

					0*1.80				84		Gajevdra Singh etc.
	Pucca Work								9729 1	811	
Total		12.886		350					2313 75	1928	
No usa ra											
1	S.B. 1	5.732	306 to 318	250			750	41.21	3090 8	258	Ramshvarup, Keshar Devi, Ramkumar etc.
2	S.B. 2	6.383	299, 300 to 303, 305, 316	400			1200	41.21	4945 2	412	Krashankant, Jitendra, Khemchandra, Savitri Devi etc.
3	S.B. 3	16.896	294, 295, 296, 298	500			1500	41.21	6181 5	515	Surendra Singh, Janki prasad, Ramgopal, Khemchandra etc.
4	S.B. 4	11.688	275, 276, 277, 278, 281, 282	600			1482	41.21	6107 3	509	Jitendra, Kamta, Durga Prasad, Maniram etc.
5	S.B. 5	2.265	285, 286, 287	160			480	41.21	1978 1	165	Shanti devi, Sundar

												etc.
6	S.B. 6	4.898	65 to 70		250			617.5	41.21	2544 7	212	Birbal, Sundar, Shivanath, Gyasi Lal
7	S.B. 7	1.85		64	100			247	41.21	1017 9	85	Madhoa Prasad
8	S.B. 8	3.914	57 to 63		170			510	41.21	2101 7	175	Chandrashekhar, Mahadev, Ganpat etc.
9	S.B. 9	5.214	242, 246, 247, 244		260			642.2	41.21	2646 5	221	Kamlesh, Gyandevi, Shivdayal, Hari
Total		58.84			2690					3061 37	2551	
1	P.B. 1	6.929	38, 42, 44, 46		300			1462.5	41.21	6027 0	502	Babloo etc.
2	P.B. 2	2.519	34, 32		200			494	41.21	2035 8	170	Girja Prasad, Gaya Prasad
3	P.B. 3	1.596		32	150			370.5	41.21	1526 8	127	Gaya Prasad
Bhamori Beldan 2C1B3c2e												
Jardan Ganj												
1	S.B. 1	9.401	487, 496, 497, 498, 572, 573, 575, 576, 577		510	4.05+0.5 0*1.35	3.00	1530	41.21	6305 1	525	Dharmendra,

											Ramcharan, Prem, Ramshevak, Mangal Singh, Sunita etc
2	S.B. 2	4.066	195	220	4.05+0.5 0*1.35	3.00	660	41.21	2719 9	227	Dharmendra, Ramcharan
3	S.B. 3	5.649	266, 267, 261, 264	305	4.05+0.5 0*1.35	3.00	915	41.21	3770 7	314	Gyanvati, Purshottam, Rukmani, Mohan
4	S.B. 4	2.564	186, 187, 188	140	4.05+0.5 0*1.35	3.00	420	41.21	1730 8	144	Rakesh Kumar, Natthuram, Ajay
5	S.B. 5	2.401	433, 435, 436	155	3.60+0.5 3*1.20	2.47	382.85	41.21	1577 7	131	Vassi, Raish, Chhaddi
6	S.B. 6	3.118	288, 293, 298, 296. 294	205	3.60+0.5 3*1.20	2.47	506.35	41.21	2086 7	174	Rahmat Nisha, Guman Singh, Matadeen etc.
7	S.B. 7	2.864	317, 325, 326, 327, 328	190	3.60+0.5 3*1.20	2.47	469.3	41.21	1934 0	161	Maiya Deen, Hanumat Prasad, Gita Devi, Lakshmi Prasad etc.
8	S.B. 8	2.523	299, 300, 201, 302	165	3.60+0.5 3*1.20	2.47	407.55	41.21	1679 5	140	Vijay Singh, Kalarani, Rajaram etc.
Tot		32.586		1890					2180	1817	

al									44		
1	P.B. 1	5.182	254, 258, 262, 259, 260	280	4.05+0.5 0*1.35	3.00	840	41.21	3461 6	288	Jagnath,Badlu, Vassi, Rukmani, Munna etc.
2	P.B. 2	6.132	276, 277, 278, 279, 280, 440, 270, 272, 273, 274, 275	330	4.05+0.5 0*1.35	3.00	990	41.21	4079 8	340	Mho. Mustak, Ismis, Rafik, Shekh Chhiddi, Gulab Navi, Natthu, Munni etc.
3	P.B. 3	3.728	252, 255, 256	202	4.05+0.5 0*1.35	3.00	606	41.21	2497 3	208	Fakire, Badlu, Gyanvati
4	P.B. 4	5.606	229, 346, 347, 341, 343, 339, 336, 334	303	4.05+0.5 0*1.35	3.00	909	41.21	3746 0	312	Jagnath, Mulchandra, Khubchandra, Munir ali, Ghasiram etc.
5	P.B. 5	4.435	207, 208, 211, 212, 213	240	4.05+0.5 0*1.35	3.00	720	41.21	2967 1	247	Baiju, rabiya, Hira, Lalta, Ramjivan etc.
6	P.B. 6	2.842	1, 2, 3, 4	155	4.05+0.5 0*1.35	3.00	465	41.21	1916 3	160	Virendra, Bachhu, Baldev etc.
7	P.B. 7	6.497	8, 10, 11, 220, 221, 222, 229	352	4.05+0.5 0*1.35	3.00	1056	41.21	4351 8	363	Sushila Devi, Mohan Singh, Jahanath etc.
8	P.B. 8	2.591	6, 25, 26, 21, 23, 29, 27	140	4.05+0.5	3.00	420	41.21	1730	144	Natthu, Gyan Singh,

					0*1.35				8		khukavan, Mohan Singh etc.
Tot al		37.013		2002					2475 07	2063	
1	C.D. 1	4.556	200, 201, 202, 198	93	7.20+1.0 0*1.80	7.38	686.34	44.34	3043 2	254	Saltuva, Ramshevak, Puranlal, Ravi etc.
2	C.D. 2	7.413	190, 196, 197, 191, 193, 173, 174, 175	150	7.20+1.0 0*1.80	7.38	1107	44.34	4908 4	409	Chandrabhan, Udhamp Singh, Ramkumar, Lakshmikant, etc.
3	C.D. 3	2.618	133, 177, 176	55	7.20+1.0 0*1.80	7.38	405.9	44.34	1799 8	150	Fool Singh, Umakant, Ramakant
4	C.D. 4	12.219	58, 59, 150, 152, 145 to 148, 141, 142, 181 to 185, 240, 248	-	-	-	-	-	-	-	Motilal, Udhamp Singh, Gulab Singh, Uttam Singh, Biharilal, Babulal, Rampratap etc.
	Pucca Work								8180 0	682	
5	C.D. 5	12.412	51, 52, 54, 47, 123, 124 to 127, 134, 15, 16, 17	-	-	-	-	-	-	-	Parmanandi, Lachchhi, Krashan Kumar, Ramsadal, Krashanshvarup, Pyarelal etc.

	Pucca Work							8300 0		692	
Tot al		39.218		298				2623 14		2186	
Mahraj nagar											
1	S.B. 1	5.249	301, 302, 303, 310	285	4.05+0.5 0*1.35	3.00	855	41.21	3523 5	294	Shambhu, Brajlal, Natthu, Sukkhan
2	S.B. 2	4.064	328, 327/2, 326, 329	220	4.05+0.5 0*1.35	3.00	660	41.21	2719 9	227	Munnalal, Chhail Bihari temple, Kalicharan
3	S.B. 3	6.67	304, 305, 330, 331, 334, 335, 337, 338, 339	360	4.05+0.5 0*1.35	3.00	1080	41.21	4450 7	371	Natthu, Chhail Bihari temple, Kalicharan, Rameshvar Prasad, Mahesh Prasad etc.
Tot al		15.983		865				1069 40		891	
Natrra 2C1B3c3c											
Pan cha m											
1	S.B. 1	9.23	127, 133, 131, 130, 132, 137	250	5.60+0.8 0*1.60	4.48	1120	41.21	4615 5	385	Natthu, Lakshmi Prasad, Bhairo Lal, Bharat, Sari etc.

Tot al		9.23		250					4615 5	385	
1	P.B. 1	15.79	27, 28, 268 to 271	300	5.60+0.8 0*1.60	4.48	1344	41.21	5538 6	462	Ghasiram, Siddhgopal, Kashi Prasad etc.
2	P.B. 2	13.18	517, 518, 514, 520, 505 to 512, 521 to 525	250	5.60+0.8 0*1.60	4.48	1120	41.21	4615 5	385	Ghanshyam, Hariom, Brajnandan, Ramsajivan, Jiyalal etc.
3	P.B. 3	25.62	539, 540 to 543, 538, 544, 543 to 555, 528 to 536	400	6.00+0.8 0*1.60	5.44	2176	41.21	8967 3	747	Babugiri, Amar singh, Ramkumar, Rahman, Jayprakash etc.
Tot al		54.59		950					1912 14	1593	
1	M.B. 1	15.82	279, 274, 288, 289, 290	300	5.60+0.8 0*1.60	4.48	1344	41.21	5538 6	462	Kashi Prasad, Tulsi Das, Kamta Prasad, Ganesha etc
2	M.B. 2	15.82	39 to 44, 252 to 266	300	5.60+0.8 0*1.60	4.48	1344	41.21	5538 6	462	Kashi Prasad, Baijnath, Baluva, Devidayal etc.
3	M.B. 3	23.52	2 to 23, 33, 31, 30, 34, 37	300	6.40+1.0 0*1.80	6.66	1998	41.21	8233 8	686	Ramprakash, Achhelal, Balaiya, Premnarayan, Lalliya, Rajaram etc.

4	M.B. 4	35.28	113, 64, 66, 59, 67, 96, 95, 109, 110, 111	450	6.40+1.0 0*1.80	6.66	2997	41.21	1235 06	1029	Svami, Hardayal, Harnarayan, Harendra Singh, Bihari Lal, Radhacharan	
Tot al		90.44		1350					3166 16	2638		
1	R.C.D 1	17.04	464, 368, 369, 373, 372, 461, 462, 366, 363, 382, 376, 377	100	11.50+1. 50*2.5	16.25	1625				Brajjal, Jagatram, Najar Dulera, Rameshvar Jageshvar, Goarishankar, Ramshevak Bodan Singh, Devendrapal Singh, Mulayam Singh, Narayan	
		Ext.		72	5.4+0.60 *1.40	4.2	302.4					
		Net work			1625- 302.4	1322.6	47.95	6341 9	528			
	Pucca Work							9000 0	750			
2	R.C.D 2	27.51	458, 459, 374, 399, 463, 468, 403, 383 to 385, 325, 68	160	13.20+2. 00*2.80	21.28	3404				Bharat, Babbu, Hiralal, Kalicharan Balvant Singh, Bhaiya Lal, Mahendrapal Singh, Ramgopal	
		Ext.		135	6.00+1.0	5.25	708.75					

					0*1.50						
			Net work			3404.8- 708.75	2695.25	51.07	1376 46	1147	
	Pucca Work								1100 00	917	
3	R.C.D 3	32.71	456, 457, 409, 407, 406, 471, 410, 400, 403, 471	180	14.00+2. 00*3.00	24	4320				Bhaiyalal, Bhajanlal, Matadeen, Sunil Kumar, Bhaiyalal, Dindayal etc.
			Ext.	135	6.00+1.0 0*1.50	5.25	708.75				
			Net work			4320- 708.75	3611.25	51.07	1844 27	1537	
	Pucca Work								1100 00	917	
Tot al		77.26		440					6954 92	5796	
1	W.H.B. 1	26.51	311, 327, 329, 306, 300 to 308, 291 to 298	250	11.00+1. 40*2.40	14.88	3720	47.95	1783 74	1486	Lokendra Pal, Ambika Prasad, Ganesha Umadevi, Khilavan, Natthuram
	Pucca Work								1011 92	843	
2	W.H.B. 2	27.28	228, 229, 517, 518, 240, 241, 244, 247, 246, 243, 417, 254, 253, 321, 327	280	11.50+1. 50*2.50	16.25	4550				Ghanshyam, Sukhiya, Babbu, Shailendra, devidayal Jalla, Babbu, Raghuvir

											Singh, Durga, Rajaram etc
			Ext.	205	6.00+1.0 0*1.50	5.25	1076.25				
			Net work			4550- 1076.25	3473.75	47.95	1665 66	1388	
	Pucca Work								1200 00	1000	
3	W.H.B. 3	32.69	134, 137, 138, 135, 140, 141, 206 to 218	240	12.70+1. 50*2.80	19.88	4771.2				Jiyalal, kamta Prasad, Achhelal Lachchhiram, Ramkishor etc.
			Ext.	170	5.50+1.0 0*1.50	4.87	827.9				
			Net work			4771.2- 827.9	3943.3	51.07	2013 84	1678	
	Pucca Work								1200 00	1000	
Tot al		86.48		770					8875 17	7396	
Patha 2C1B3h2d											
Pat ha											
1	S.B. 1	16.035	341, 339, 335, 336 to 342	380	5.60+0.8 0*1.60	5.12	1945.6	41.21	8017 8	668	Hari Singh, Parshram, Mangal Singh, Gokul, Bansi etc.
2	S.B. 2	22.549	356, 365, 352, 353, 354, 355	250	5.60+0.8 0*1.60	5.12	1280	41.21	5274 9	440	Kesharani, Dayaram, Bade,

										Battu, Sitaram, Sundarlal	
	Pucca Work							6000 0	500		
3	S.B. 3	30.989	448, 498, 458, 459, 460, 461	450	5.60+0.8 0*1.60	5.12	2304	41.21	9494 8	791	Mahesh Singh, Muluva, Goti etc.
	Pucca Work							6000 0	500		
4	S.B. 4	33.09	584, 583, 588, 585, 586, 587	500	5.60+0.8 0*1.60	5.12	2560	41.21	1054 98	879	Ramdas, Mohar Singh, Bhura, Deshrani, Vinda Prasad etc.
	Pucca Work							6000 0	500		
5	S.B. 5	16.879	600, 558, 598, 597, 596	400	5.60+0.8 0*1.60	5.12	2048	41.21	8439 8	703	Shivapal, Rajabhaiya, Naresh Singh, Avdhesh Singh
6	S.B. 6	10.549	1082, 1081, 1080, 1079	250	5.60+0.8 0*1.60	5.12	1280	41.21	5274 9	440	Amar Singh, Parvati, Rani, Kaliya
7	S.B. 7	28.035	1063, 1064, 1065, 1066, 1068	380	5.60+0.8 0*1.60	5.12	1945.6	41.21	8017 8	668	Gangadeen, Girvar, Gayaprasad, Ramshvarup, Budhd Singh

	Pucca Work								6000 0	500	
8	S.B. 8	7.038	1119, 1117, 1127	200	5.10+0.6 0*1.50	4.27	854	41.21	3519 3	293	Dvarika Singh, Parsuram etc.
9	S.B. 9	8.489	544, 541	250	5.00+0.5 0*1.50	4.12	1030	41.21	4244 6	354	Mangal Singh, Mahesh Singh, Parvati,
10	S.B. 10	32.279	282, 279, 278, 281, 277, 290, 292, 293, 305	400	5.60+0.8 0*1.60	5.12	2048	41.21	8439 8	703	Dayaram, Vindravan, Jagrup Singh, Dragpal etc.
	Pucca Work								7700 0	642	
Total		205.932		3460					1029 735	8581	
1	W.H.B. 1	17.645	489, 431, 429, 426, 428, 419, 423, 437, 436, 438, 435	300	10.20+1. 00*2.30	12.88	3864	47.95	1852 79	1544	Indrapal, Natthu, Brajraj Singh, Bhaiyadeen Desha, Rajabhaiya, Sukhanandan Singh, Narayan Singh etc.
2	W.H.B. 2	10.587	407, 405, 403, 404, 408, 410, 412, 622, 623, 625, 226	180	10.20+1. 00*2.30	12.88	2318.4	47.95	1111 67	926	Dasaiya, kandhilal, Lalman, Jagrup Singh, Gajraj Singh Sukhalal, Suraj Singh, Khuda, Parsuram etc.

3	W.H.B. 3	21.678	634, 635 to 644	180	11.90+1. 50*2.60	17.42	3135.6				Dharmendra Singh, Ramesh etc.
			Ext.	130	5.56+0.7 0*1.35	4.23	550				
			Net work								
	Pucca Work								1000 00	833	
4	W.H.B. 4	24.026	1112, 1113, 1111, 1145, 1146, 1135, 1136, 1157	200	11.90+1. 50*2.60	17.42	3484				Sandip, Dharm Singh, Suraj Singh Rani, Gulab Chandra, Brajesh etc.
			Ext.	115	5.68+1.0 0*1.25	4.17	480				
			Net work				3484-480	3004	49.36	1482 77	1236
	Pucca Work									1000 00	833
5	W.H.B. 5	20.02	245, 244, 232, 249, 233, 234, 235, 236, 237	150	11.90+1. 50*2.60	17.42	2613				Balendra Singh, Vanshi Singh, Harishchandra, Shatrughan Singh etc.
			Ext.	105	5.20+0.8 0*1.20	3.62	380				
			Net work				2613-380	2233	49.36	1102 21	919
	Pucca Work									1000 00	833
Tot		65.724		635					9825	8188	

al									70		
Gayodi 2C1B3d3c											
Ga yod i											
Segment- A											
1	S.B. 1	11.838	311, 312	220	5.30+0.8 0*1.50	4.57	1005.4	41.21	4143 3	345	Ghankuvar, Rameshchandra etc
2	S.B. 2	32.285	309 to 317, 323	600	5.30+0.8 0*1.50	4.57	2742	41.21	1129 98	942	Vishvanath, Mallu, Mohan Singh etc.
3	S.B. 3	16.142	301, 305, 356	300	5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471	Hariom, Ramkumar etc.
4	S.B. 4	36.59	216, 218, 219	680	5.30+0.8 0*1.50	4.57	3107.6	41.21	1280 64	1067	Surendrapal, Maideen, Rajaram etc.
5	S.B. 5	37.666	277 to 280, 282, 299	700	5.30+0.8 0*1.50	4.57	3199	41.21	1318 31	1099	Avadhesh Kumar, Gaya Prasad, Ravindra Singh, Hajari Lal etc.
6	S.B. 6	13.99	266 to 271	260	5.30+0.8 0*1.50	4.57	1188.2	41.21	4896 6	408	Natthu, Babu etc.

7	S.B. 7	15.066	168, 172, 173	280	5.30+0.8 0*1.50	4.57	1279.6	41.21	5273 2	439	Avadhesh Kumar,Dharm Singh, Kuvar Rajan
8	S.B. 8	9.685	170, 249, 248	180	5.30+0.8 0*1.50	4.57	822.6	41.21	3389 9	282	Shivaratan, Rambabu, Jaykaran
9	S.B. 9	16.142	250 to 252	300	5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471	Jaykaran, Lallu etc.
10	S.B. 10	18.766	262, 263, 252	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Gyatri Devi, Jagat Prasad, Lallu
11	S.B. 11	10.762	417 to 420	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Sukhadeen, Bhola
12	S.B. 12	12.914	425, 424, 423	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Ramkhilavan, Jagrup, Chhang etc.
13	S.B. 13	12.914	501, 502, 500, 511	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Avnish kumar, Guruva, Bharat Singh, Bhoasa
14	S.B. 14	13.452		570	250	5.30+0.8 0*1.50	4.57	1142.5	41.21	4708 2	392 Svamideen etc.
15	S.B. 15	17.218	506, 518	320	5.30+0.8 0*1.50	4.57	1462.4	41.21	6026 6	502	Ramcharan, Rambabu etc.
16	S.B. 16	15.066		449	280	5.30+0.8 0*1.50	4.57	1279.6	41.21	5273 2	439 Surendra Kumar etc.

17	S.B. 17	19.371	432, 438	360	5.30+0.8 0*1.50	4.57	1645.2	41.21	6779 9	565	
18	S.B. 18	18.833	479, 480, 486	350	5.30+0.8 0*1.50	4.57	1599.5	41.21	6591 5	549	Maheshvari Deen, Horilal, Ramfal etc.
19	S.B. 19	19.371	514 to 516	360	5.30+0.8 0*1.50	4.57	1645.2	41.21	6779 9	565	Gyan Singh, Shyam
20	S.B. 20	21.523	654 to 660	400	5.30+0.8 0*1.50	4.57	1828	41.21	7533 2	628	Radheshyam, Ramprakash etc.
21	S.B. 21	17.218	628, 630	320	5.30+0.8 0*1.50	4.57	1462.4	41.21	6026 6	502	Bhikham Babu
Total		386.812		7040					1325 841	11049	
1	P.B. 1	27.98	450, 481, 442	520	5.30+0.8 0*1.50	4.57	2376.4	41.21	9793 1	816	Yogendra, Bhagirath, Jayram Singh etc.
2	P.B. 2	16.142	472, 479, 469	300	5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471	Surendra Singh, Maheshvari, Ramkhilavan
3	P.B. 3	12.914	581, 524, 528	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Ramjivan Singh, Sukhdev, Parma
4	P.B. 4	12.914	529, 534, 536	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Archna Divedi, Jayram, Rakesh etc.

5	P.B. 5	10.762	542, 546	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Ramdevi, Ajit Pratap Singh
6	P.B. 6	12.914	769, 784, 785	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Devidayal etc.
7	P.B. 7	13.452	998, 999, 997	250	5.30+0.8 0*1.50	4.57	1142.5	41.21	4708 2	392	Gendarani, Bhilla, Nasva Singh etc.
8	P.B. 8	13.99	1000, 1003	260	5.30+0.8 0*1.50	4.57	1188.2	41.21	4896 6	408	Shripat, Maheshvari Deen
9	P.B. 9	19.371	1008 to 1013	360	5.30+0.8 0*1.50	4.57	1645.2	41.21	6779 9	565	Kishor Singh, Surajpal etc.
10	P.B. 10	21.523	1026, 1029, 1031	400	5.30+0.8 0*1.50	4.57	1828	41.21	7533 2	628	Amar Singh, Badri, Duliya
11	P.B. 11	8.071		787	5.30+0.8 0*1.50	4.57	685.5	41.21	2824 9	235	
12	P.B. 12	10.762		807	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Jayendra Singh
13	P.B. 13	11.838	951, 959, 960	220	5.30+0.8 0*1.50	4.57	1005.4	41.21	4143 3	345	Ramaotar, Sevak, Prakashrani etc.
14	P.B. 14	9.685	608, 607, 606	180	5.30+0.8 0*1.50	4.57	822.6	41.21	3389 9	282	Mohan, Bhaiya Deen, Bhikham etc.

Tot al		202.318		3760					7081 20	5901	
1	C.D. 1	14.776	336, 338, 340	300	8.00+2.0 0*2.00	10.00	3000	44.33	1329 90	1108	Jamuna Prasad, Fool Singh etc.
	Pucca Work								8356 2	696	
2	C.D. 2	2.955	568 to 593, 577	60	8.00+2.0 0*2.00	10.00	600	44.33	2659 8	222	Ramadhar, Gayadeen, Arvindra Kumar etc.
	Pucca Work								8356 2	696	
3	C.D. 3	2.463	590 to 592	50	8.00+2.0 0*2.00	10.00	500	44.33	2216 5	185	Jagmohan etc.
	Pucca Work								8356 2	696	
4	C.D. 4	3.448	611, 609, 660	70	8.00+2.0 0*2.00	10.00	700	44.33	3103 1	259	Bhikham Singh, Ramprakash
	Pucca Work								8356 2	696	
5	C.D. 5	8.866	613, 614, 615	180	8.00+2.0 0*2.00	10.00	1800	44.33	7979 4	665	Shatrughan, Shivdayal
	Pucca Work								8356 2	696	

											Jagmohan Singh, Rahul Singh etc.
6	C.D. 6	1.97	746, 747, 748	40	8.00+2.0 0*2.00	10.00	400	44.33	1773 2	148	
	Pucca Work								8356 2	696	
Tot al		34.478		700					8116 82	6764	
	Segment- B										
1	S.B. 1	33.361	1084, 1085	620	5.30+0.8 0*1.50	4.57	2833.4	41.21	1167 64	973	Jugraj singh, Nabav Singh
2	S.B. 2	26.904	1086, 1162	500	5.30+0.8 0*1.50	4.57	2285	41.21	9416 5	785	Kanchan Singh
3	S.B. 3	21.523	1088 to 1091	400	5.30+0.8 0*1.50	4.57	1828	41.21	7533 2	628	Siddhgopal, Shiv Singh
4	S.B. 4	30.133	1145, 1145, 1155, 1154	560	5.30+0.8 0*1.50	4.57	2559.2	41.21	1054 65	879	Maheshvari Deen, , Shiv Singh, Radharani
5	S.B. 5	13.452	1112, 1114, 1110, 1115	250	5.30+0.8 0*1.50	4.57	1142.5	41.21	4708 2	392	Ramkrapal, Jagmohan, Babulal, Santosh
6	S.B. 6	5.381	1130, 1235	100	5.30+0.8 0*1.50	4.57	457	41.21	1883 3	157	Fool Singh, Ramfal etc.

7	S.B. 7	10.762	1132, 1131, 1134	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Rajbahadur Singh, Maiku, Shyamal
8	S.B. 8	17.218	1173	320	5.30+0.8 0*1.50	4.57	1462.4	41.21	6026 6	502	Kamta Prasad etc.
9	S.B. 9	18.294	1175	340	5.30+0.8 0*1.50	4.57	1553.8	41.21	6403 2	534	Siddhgopal etc.
10	S.B. 10	17.218	1276, 1278, 1279	320	5.30+0.8 0*1.50	4.57	1462.4	41.21	6026 6	502	Bhola, Rameshvar, Lalbai
11	S.B. 11	16.142	1271, 1286, 1287	300	5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471	Vindi, Goare, Bhavani Deen
12	S.B. 12	6.995	1301, 1312	130	5.30+0.8 0*1.50	4.57	594.1	41.21	2448 3	204	Vindi, Baldev
13	S.B. 13	20.447	1210, 1211, 1198	380	5.30+0.8 0*1.50	4.57	1736.6	41.21	7156 5	596	Tikku, Kamta Singh, Viveni
14	S.B. 14	10.762	1341, 1343 to 1346	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Sabal Singh, Gaya Prasad
15	S.B. 15	9.685	1688, 1677, 1670	180	5.30+0.8 0*1.50	4.57	822.6	41.21	3389 9	282	Satendra Singh, Hukum Singh, Prahala etc.
16	S.B. 16	8.071	1692, 1689, 1694	150	5.30+0.8 0*1.50	4.57	685.5	41.21	2824 9	235	Guman Singh, Senapat Singh, Sabai Singh etc.

17	S.B. 17	5.38		1681	100	5.30+0.8 0*1.50	4.57	457	41.21	1883 3	157
Total		271.728		5050						9510 65	7926
1	P.B. 1	6.457	1496, 1497, 1493	120		5.30+0.8 0*1.50	4.57	548.4	41.21	2260 0	188
2	P.B. 2	5.381		1662	100	5.30+0.8 0*1.50	4.57	457	41.21	1883 3	157
3	P.B. 3	6.995	1657, 1658	130		5.30+0.8 0*1.50	4.57	594.1	41.21	2448 3	204
4	P.B. 4	15.066		1663	280	5.30+0.8 0*1.50	4.57	1279.6	41.21	5273 2	439
5	P.B. 5	16.142	1710 to 1715	300		5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471
6	P.B. 6	10.762		1759	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314
7	P.B. 7	13.452	1774 to 1776	250		5.30+0.8 0*1.50	4.57	1142.5	41.21	4708 2	392
Total		74.255		1380						2598 95	2166

1	C.D. 1	9.851	1168, 1169, 1164	200	8.00+2.0 0*2.00	10.00	2000	44.33	8866 0	739	Gangajali, Chhedilal etc.
	Pucca Work								8356 2	696	
2	C.D. 2	7.388	1132, 1130, 1131	150	8.00+2.0 0*2.00	10.00	1500	44.33	6649 5	554	Rajbahadur, Fool Singh, Maiku etc.
	Pucca Work								8356 2	696	
3	C.D. 3	8.373	1130, 1133, 1135	170	8.00+2.0 0*2.00	10.00	1700	44.33	7536 1	628	Fool Singh, Jangbahadur etc.
	Pucca Work								8356 2	696	
4	C.D. 4	7.88	1244, 1245, 1241	160	8.00+2.0 0*2.00	10.00	1600	44.33	7092 8	591	Ramkrapal, Shivbalak
	Pucca Work								8356 2	696	
5	C.D. 5	9.85	1218, 1219, 1238, 1234	200	8.00+2.0 0*2.00	10.00	2000	44.33	8866 0	739	Tillu, Ramkrapal, Dayaram, Mr. Prakash
	Pucca Work								8356 2	696	

6	C.D. 6	3.94	1679, 1689, 1687	80	8.00+2.0 0*2.00	10.00	800	44.33	3546 4	296	Indal Singh, Senapat Singh, Pacha
	Pucca Work								8356 2	696	
7	C.D. 7	3.448	1470, 1674, 1671	70	8.00+2.0 0*2.02	10.00	700	44.33	3103 1	259	Miyadeen etc.
	Pucca Work								8356 2	696	
8	C.D. 8	3.447	1489, 1490, 1485	70	8.00+2.0 0*2.04	10.00	700	44.33	3103 1	259	Kallu, Chhote, Rambahori
	Pucca Work								8356 2	696	
Total		54.177		1100					1156 126	9634	
Seg men t-C											
1	P.B. 1	16.142	1496, 1497, 1493	300	5.30+0.8 0*1.50	4.57	1371	41.21	5649 9	471	Prahald, Mahadev Prasad
2	P.B. 2	8.071	1662	150	5.30+0.8 0*1.50	4.57	685.5	41.21	2824 9	235	Ramkrapal etc.
3	P.B. 3	21.523	1657, 1658	400	5.30+0.8 0*1.50	4.57	1828	41.21	7533 2	628	shankar Singh, Sunita etc.
4	P.B. 4	8.609	1663	160	5.30+0.8 0*1.50	4.57	731.2	41.21	3013 3	251	Ramshvarupetc.

5	P.B. 5	10.762	1710 to 1715	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Maheshvari, Udayram Singh etc.
6	P.B. 6	10.762	1759	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Hanuman
7	P.B. 7	8.071	1774 to 1776	150	5.30+0.8 0*1.50	4.57	685.5	41.21	2824 9	235	Babbu etc.
8	P.B. 8	11.838	1906 to 1908	220	5.30+0.8 0*1.50	4.57	1005.4	41.21	4143 3	345	Rajaram, Svamideen etc.
9	P.B. 9	11.299	1937 to 1940	210	5.30+0.8 0*1.50	4.57	959.7	41.21	3954 9	330	Ramkrapal, Umraw Singh etc.
10	P.B. 10	6.457	19,771,978	120	5.30+0.8 0*1.50	4.57	548.4	41.21	2260 0	188	Bhallu, Dharmendra Singh etc.
11	P.B. 11	8.609	1949	160	5.30+0.8 0*1.50	4.57	731.2	41.21	3013 3	251	Ghasita
12	P.B. 12	8.609	1961	160	5.30+0.8 0*1.50	4.57	731.2	41.21	3013 3	251	Ramgopal etc.
13	P.B. 13	5.38	1972	100	5.30+0.8 0*1.50	4.57	457	41.21	1883 3	157	Narendra Singh
14	P.B. 14	5.38	2007	100	5.30+0.8 0*1.50	4.57	457	41.21	1883 3	157	Brajraj Singh
15	P.B. 15	11.832	2040	220	5.30+0.8 0*1.50	4.57	1005.4	41.21	4143 3	345	Smt.Sukhrani

16	P.B. 16	12.914	2040, 2039, 2047	240	5.30+0.8 0*1.50	4.57	1096.8	41.21	4519 9	377	Smt.Sukhrani, Kuldip Singh, Vanbihari Singh	
17	P.B. 17	13.99	1809	260	5.30+0.8 0*1.50	4.57	1188.2	41.21	4896 6	408	Rajendra, Vikram etc.	
18	P.B. 18	15.066	1818, 1819	280	5.30+0.8 0*1.50	4.57	1279.6	41.21	5273 2	439	Babbu, Svamideen	
19	P.B. 19	2.69	1611	50	5.30+0.8 0*1.50	4.57	228.5	41.21	9416	78	Kallu etc.	
20	P.B. 20	2.69	1608	50	5.30+0.8 0*1.50	4.57	228.5	41.21	9416	78	Savita Singh	
21	P.B. 21	8.071	1622	150	5.30+0.8 0*1.50	4.57	685.5	41.21	2824 9	235	Tribhuvan Singh	
22	P.B. 22	3.228	1601	60	5.30+0.8 0*1.50	4.57	274.2	41.21	1130 0	94	Jagrup Singh	
23	P.B. 23	10.762	1859	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Narendra Singh	
24	P.B. 24	10.762	1877	200	5.30+0.8 0*1.50	4.57	914	41.21	3766 6	314	Sukhrani	
Tot al		233.517		4340					8173 51	6811		
1	C.D. 1	9.851	1168, 1169, 1164	60	8.00+2.0	10.00	600	44.33	2659	222	Girdhari, Chhedilal	

					0*2.00				8		etc.
	Pucca Work								8356 2	696	
2	C.D. 2	7.388	1132, 1130, 1131	80	8.00+2.0 0*2.00	10.00	800	44.33	3546 4	296	Rajbahadur Singh, Fool Singh, Maiku
	Pucca Work								8356 2	696	
3	C.D. 3	8.373	1130, 1133, 1135	60	8.00+2.0 0*2.00	10.00	600	44.33	2659 8	222	Fool Singh, Jangbahadur
	Pucca Work								8356 2	696	
4	C.D. 4	7.88	1244, 1245, 1241	100	8.00+2.0 0*2.00	10.00	1000	44.33	4433 0	369	Ramkrapal, Shivbalak etc.
	Pucca Work								8356 2	696	

5	C.D. 5	9.85	1218, 1219, 1238, 1234	150	8.00+2.0 0*2.00	10.00	1500	44.33	6649 5	554	Tillu, Ramkrapal, dayaram, Smt. Prakash Singh
	Pucca Work								8356 2	696	
6	C.D. 6	3.94	1679, 1689, 1687	100	8.00+2.0 0*2.00	10.00	1000	44.33	4433 0	369	Indal Singh, Senapat Singh, Pancha
	Pucca Work								8356 2	696	
7	C.D. 7	3.448	1470, 1674, 1671	80	8.00+2.0 0*2.02	10.00	800	44.33	3546 4	296	Maiyadeen, Bhaiyalal etc.
	Pucca Work								8356 2	696	
8	C.D. 8	3.447	1489, 1490, 1485	100	8.00+2.0 0*2.04	10.00	1000	44.33	4433 0	369	Kallu, Chhote, Rambahori etc.
	Pucca Work								8356 2	696	Nanhu, Mullu
9	C.D. 9	3.448	1989, 1981	70	8.00+2.0 0*2.04	10.00	700	44.33	3103 1	259	
	Pucca Work								8356 2	696	
10	C.D. 10	2.955	1934, 1932	60	8.00+2.0 0*2.04	10.00	600	44.33	2659 8	222	Smt.Sudha, Smt. Madhu
	Pucca Work								8356 2	696	

11	C.D. 11	2.955	1786	60	8.00+2.0 0*2.04	10.00	600	44.33	2659 8	222	Gulab Singh
	Pucca Work								8356 2	696	
12	C.D. 12	1.478	1786	30	8.00+2.0 0*2.04	10.00	300	44.33	1329 9	111	Gulab Singh
	Pucca Work								8356 2	696	
13	C.D. 13	2.955	1786	60	8.00+2.0 0*2.04	10.00	600	44.33	2659 8	222	Gulab Singh
	Pucca Work								8356 2	696	
14	C.D. 14	2.955	1788	60	8.00+2.0 0*2.04	10.00	600	44.33	2659 8	222	Siddhgopal
	Pucca Work								8356 2	696	
15	C.D. 15	2.955	1788	60	8.00+2.0 0*2.04	10.00	600	44.33	2659 8	222	Siddhgopal
	Pucca Work								8656 0	721	

Tot al		73.878		1130					1757 357	14645	
1	W.H.B 1	20.428	2031, 2032, 2034, 2020 to 2023	200	14.00+2. 00*3.00	24.00	4800	51.07	2451 36	2043	Vinda, Smt. Fooliya, Sukhalal, Smt.Svita, Ramkrapal etc.
	Pucca Work								2785 04	2321	
Tot al		20.428		200					5236 40	4364	
Malkhanpur 2C1B3c3c											
Malkhanpur											
1	S.B. 1	20.368	102, 107	360	5.30+0.8 0*1.50	4.57	1645.2	41.21	6779 9	565	Manish Kumar, Miss Sudha
2	S.B. 2	35.437	178, 174, 186	640	5.30+0.8 0*1.50	4.57	2924.8	41.21	1205 31	1004	Santosh Kumar, Hiralal
3	S.B. 3	31.284	202, 203, 204	600	5.30+0.8 0*1.50	4.57	2742	41.21	1129 98	942	Smt. Chhuni Devi, Raghuvan, Smt. Goaribai
4	S.B. 4	20.368	201, 154	360	5.30+0.8 0*1.50	4.57	1645.2	41.21	6779 9	565	Bhagavandas, Raghuvan
5	S.B. 5	20.571	46, 47, 58	510	5.30+0.8	4.57	2330.7	41.21	9604	800	Natthuram,

					0*1.50				8		Parmendra Kumar	
6	S.B. 6	35.437	183, 187, 180, 179, 174, 164	640	5.30+0.8 0*1.50	4.57	2924.8	41.21	1205 31	1004	Ramgopal, Surendra Singh, Haridas,	
7	S.B. 7	7.457	106, 107	120	5.30+0.8 0*1.50	4.57	548.4	41.21	2260 0	188	Hakim, Gosvami, Miss Sudh	
8	S.B. 8	7.457		331	120	5.30+0.8 0*1.50	4.57	548.4	41.21	2260 0	188	Kapil Tivari, Ashtosh Kumar
Tot al		178.379		3350					6309 04	5258		
1	C.D.1	24.851	65, 66, 67	200	8.00+2.0 0*2.04	10.00	2000	44.33	8866 0	739	Krashan Kumar, Smt.Radhrani, Bahadur Singh	
2	C.D.2	24.851		320	200	8.00+2.0 0*2.04	10.00	2000	44.33	8866 0	739	Surendra Singh, Haridas,
3	C.D.3	24.851	355, 365, 366	200	8.00+2.0 0*2.04	10.00	2000	44.33	8866 0	739	Matadeen	
4	C.D.4	15.836		367	220	8.00+2.0 0*2.04	10.00	2200	44.33	9752 6	813	Ashish Pathak, Virendra Kumar
5	C.D.5	13.866	524, 526	180	8.00+2.0 0*2.04	10.00	1800	44.33	7979 4	665	Svapnil Tivari, Ashish Pathak, Virendra Kumar	

	Pucca Work								1800 00	1500	
Tot al		104.255		1000					6233 00	5194	
1	W.H.B 1	30.683	165, 166, 167	300	14.00+1. 50*3.00	23.25	6975	51.07	3562 13	2968	Svapnil Tivari, Ashish Pathak, Virendra Kumar
2	W.H.B 2	20.789	92, 123	200	14.00+1. 50*3.00	23.25	4650	51.07	2374 76	1979	Svapnil Tivari, Anil Kumar
3	W.H.B 3	20.789		144	200	14.00+1. 50*3.00	23.25	4650	51.07	2374 76	1979 Ramkumar
4	W.H.B 4	20.789	247, 263, 254, 244, 250, 263	200	14.00+1. 50*3.00	23.25	4650	51.07	2374 76	1979	Sudhir, Madhaiya, Chhanni, Rajesh etc.
	Pucca Work								4500 00	3750	
Tot al		93.05		900					1518 640	12655	
Bouhari 2C1B3c3e											
Bou har i											
1	S.B. 1	5.279	841, 840, 865, 868, 869, 870	150	5.10+0.6 0*1.50	4.27	640.5	41.21	2639 5	220	Mahendra Singh, Matadeen, Sohanlal, Rajendra Singh

2	S.B. 2	8.79	820, 827, 819, 824, 822, 830	250	5.10+0.6 0*1.50	4.27	1067.5	41.21	4399 2	367	Madhoa, Rup Singh, Kallu, Narpat, Rajbahadur etc.	
3	S.B. 3	12.659	872, 873, 921, 918, 917, 874, 875	300	5.10+0.6 0*1.50	4.27	1281	41.21	5279 0	440	Shivpyari, kalicharan, Maniram, Sohanlal etc.	
4	S.B. 4	28.879	880, 879, 892, 896, 881, 890, 888, 887	400	5.10+0.6 0*1.50	4.27	1708	41.21	7038 7	587	Dindayal, Saroj Kumari, Bhupat, Mahendra Singh, Santosh, Muluva, Shivpyari etc.	
5	S.B. 9	10.549	828, 831, 829, 832, 833, 834, 835, 836, 837	250	5.10+0.6 0*1.50	4.27	1067.5	41.21	4399 2	367	Krashan Kumar, Lalju, Munni Lal, Pratipal Singh, Bahadur, Brajranji, Ballam etc.	
6	S.B. 10	12.659	795, 796, 797	300	5.10+0.6 0*1.50	4.27	1281	41.21	5279 0	440	Malkhan Siyaram etc.	
Tot al		73.536		1500					2639 50	2200		
1	W.H.B. 1	12.953	682, 681, 683, 794, 801, 793, 654	180	11.90+1. 50*2.60	17.42	3135.6				Gangadeen, Siyaram, Govindas, Lakhan, Mulla,	

											Tejpratap Singh, Ganesha etc.
			Ext.	100	5.00+0.8 0*1.30	3.8	380				
			Net work			3135.6- 380	2755.6	49.36	1360 16	1133	
2	W.H.B. 2	29.081	700, 790, 797, 789, 702, 703, 743, 701, 706	250	11.90+1. 50*2.60	17.42	4355				Kashi Prasad, Malkhan, Raghunath, Ramprasad, Premrani etc.
			Ext.	185	5.00+0.6 0*1.20	3.35	620				
			Net work			4355-620	3735	49.36	1843 60	1536	
	Pucca Work								1210 00	1008	
3	W.H.B. 3	13.181	782, 784, 749, 748, 751, 775, 400, 799, 773, 772, 774	200	11.90+1. 50*2.60	17.42	3484				Ramkhilavan, Dindayal, Ramfal, Ramesh Prasad, Chandrabhan, Lalju etc.
			Ext.	150	5.50+1.0 0*1.40	4.53	680				
			Net work			3484-680	2804	49.36	1384 05	1153	
Tot al		55.215		730					5797 81	4832	
	Bhamouri Kala										

1	S.B. 5	35.099	386, 385, 408, 461, 467, 391, 409, 468, 470, 456, 407, 409, 401	500	5.60+0.8 0*1.60	5.12	2560	41.21	1054 98	879	Gayadeen, Gangadeen, Bhavati, Suraj, Ramratan, Balvan, Rajesh Singh etc.
2	S.B. 6	23.209	315, 321, 342, 343, 339, 337, 332, 352, 333, 344, 345, 341	550	5.60+0.8 0*1.60	5.12	2816	41.21	1160 47	967	Balram, Chandrashekhar, Kallu, Goarelal, Ganesha, Ramkumar, Ranvijay Singh etc.
3	S.B. 7	30.989	111, 109, 92, 88, 112, 106, 108, 93, 94, 95, 97, 91, 99	450	5.60+0.8 0*1.60	5.12	2304	41.21	9494 8	791	Rameshvar, Dan Singh, Narmda Prasad, Chinji, Madhoa, Balvan Singh, Jagram etc.
4	S.B. 8	10.558	11, 12, 17, 14, 16, 18, 61, 63, 56, 55	300	5.10+0.6 0*1.50	4.27	1281	41.21	5279 0	440	Dharm Singh, Kathora, Ramcharan, Ramdas, Rampat, Harpratap, Parna etc.
6	S.B. 11	12.659	402, 406, 407, 411, 416, 418, 417, 414, 412	300	5.60+0.8 0*1.60	5.12	1536	41.21	6329 9	527	Sundar, Sumera, Balvan, Jagdish etc.
7	S.B. 12	14.769	248, 247, 246, 253, 251, 250, 239, 245, 240, 241, 233, 232, 230	350	5.60+0.8 0*1.60	5.12	1792	41.21	7384 8	615	Naraina, Kalideen, Omkaprasad, Jay

											Singh Baini Prasad etc.
Tot al		127.283		2450				5064	30	4220	
1	W.H.B. 5	27.899	124, 220, 201, 51, 202, 200, 256, 275, 228, 128, 52, 259	250	11.90+1. 50*2.60	17.42	4355				Devi Singh, Pancham Singh, Jahar Singh, Keshar Singh etc.
		Ext.		165	6.00+1.0 0*1.3	4.54	750				
		Net work				4355- 750.75	3605	49.36	1779 43	1483	
	Pucca Work								1150 00	958	
2	W.H.B. 6	10.826	137, 43, 138, 150, 149, 143, 142, 141, 139, 148, 185, 180, 181, 182, 183, 184	150	11.90+1. 50*2.60	17.42	2613				Shivprasad, Ganesh Prasad, Sahab Singh Durga Prasad, Ramcharan, Ramgopal, Gangaram etc.
		Ext.		105	4.42+0.5 0*1.20	2.95	310				
		Net work				2613-310	2303	49.36	1136 76	947	
Tot al		38.725		400				4066 19	3388		
Padoura 2C1B3c3e											
Aec han											

a												
1	S.B. 1	15.837	1522, 1521, 1530, 1531, 1532, 1523, 1524, 1514, 1513	450	5.10+0.6 0*1.50	4.27	1921.5	41.21	7918 5	660	Ramakant, Dalchandra, Vir singh, Ghanush Kunvar, Dip Singh, Raja Singh etc.	
Total		15.837		450					7918 5	660		
Padoura												
1	S.B. 2	15.837	625, 635, 628, 630, 627, 1580, 1531, 1532, 1533, 1518, 1517	450	5.10+0.6 0*1.50	4.27	1921.5	41.21	7918 5	660	Kailash Devi, Sitaram, Mahendra Singh, Suresh Kumar, Ghansu etc.	
2	S.B. 3	21.038	547, 550, 526, 527, 524, 525, 548	200	5.10+0.6 0*1.50	4.27	854	41.21	3519 3	293	Kallu, Ramprakash, Mahesh, Shyamsundar, Chandrashekhar, Kalicharan etc.	
3	S.B. 4	25.319	534, 532, 531, 530, 526, 518, 519, 520, 536, 537, 393, 315	600	5.60+0.8 0*1.60	5.12	3072	41.21	1265 97	1055	Udit Narayan, Brajgopal, Maniram, Mahesh kumar, Sitaram, Dilip, Jagdev etc.	

4	S.B. 7	35.099	541, 542, 252, 540, 516, 538, 518, 573, 532, 523, 576, 525, 572, 573, 574, 568, 566	500	5.60+0.8 0*1.60	5.12	2560	41.21	1054 98	879	Pratap Narayan, Rambalak, dindayal, Sitaram, Chandrashekhar Parsachhilal, Bhunta, Brajgopal,Shyam Sundar etc.
	Pucca Work								7000 0	583	
5	S.B.8	31.596	509, 510, 513, 198, 211, 210, 209, 216, 215, 265, 271, 270, 512, 511	500	5.10+0.6 0*1.50	4.27	2135	41.21	8798 3	733	Shan Singh, Narayan Singh, Pankaj Singh, Shyam Sundar Lakshman, Shan Singh etc.
	Pucca Work								7000 0	583	
Tot al		62.194		1250					2409 75	2008	
1	W.H.B. 1	24.613	654, 653, 652, 650, 631, 632, 635, 664, 665, 663, 662, 660, 659	220	11.90+1. 50*2.60	17.42	3832.4				Sovran Singh, Sahib Singh, Amar Singh, Jodha, Jayendra, Lallu etc.
			Ext.	145	5.50+0.8 6*1.35	4.29	622.4				
			Net work			3832.4- 622.4	3210	49.36	1584 46	1320	

	Pucca Work								1000 00	833	
2	W.H.B. 2	26.094	406, 619, 620, 1491, 1500, 1511, 1512, 1513, 1514, 1501, 1502, 1503, 1504, 1491, 1492, 1493, 1496	250	11.90+1. 50*2.60	17.42	4355				Rambabu, Jayram Singh, Rajendra Kumar, Sundar Lal, Shakuntla Devi, Ramkishan etc.
			Ext.	185	5.40+1.0 0*1.40	4.48	830				
			Net work			4355-830	3525	49.36	1739 94	1450	
	Pucca Work								1000 00	833	
3	W.H.B. 3	26.134	343, 344, 347, 346, 351, 353, 36, 372, 371, 373, 1460, 1461, 1462, 1463, 1472	250	11.90+1. 50*2.60	17.42	4355				Jayendra Singh, Rupam Singh, Sitaram, Mankunvar, Bablu etc.
			Ext.	178	5.02+0.8 0*1.35	3.93	700				
			Net work			4355-700	3655	49.36	1804 11	1503	
	Pucca Work								9400 0	783	
3	W.H.B. 3	17.163	214, 210, 196, 192, 194, 206, 207, 208, 201, 204, 198, 199, 236, 234, 233, 232	250	11.90+1. 50*2.60	17.42	4355				Shivram Prasad, Shyam Sundar, Nandi, Shobharani, Durga, Jageshvar etc.
			Ext.	160	5.50+0.7 8*1.40	4.4	704				
			Net work			4355-704	3651	49.36	1802	1502	

									13		
Tot al		76.841		865				8068 50	6724		
Gad hari											
1	S.B. 5	33.759	407, 408, 443, 439, 438, 437, 440, 442, 405, 406, 343, 395, 394, 415	800	5.60+0.8 0*1.60	5.12	4096	41.21 96	1687 1407	Ramratan, Miss Jabihari, Jayendra Singh, Pancha, Gagdev, Shaligram etc.	
2	S.B. 6	27.429	334, 347, 345, 348, 340, 339, 323, 319, 318, 316	650	5.60+0.8 0*1.60	5.12	3328	41.21 47	1371 1143	Gurudayal, Rajaram, Sitaram etc.	
Tot al		61.188		1450				3059 43	2550		
Rivai 2C1B3c1e											
Riv ai											
1	S.B. 1	24.23	171, 172, 175	450	6.40+1.0 0*1.35	5.00	2250	41.21 3	9272 773	Suminta, Karan Singh, Rajaram etc.	
2	S.B. 2	26.58	207, 208	500	6.40+1.0 0*1.35	5.00	2500	41.21 25	1030 859	Rashvarup, Goarelal etc.	
3	S.B. 3	19.02	274, 275	350	6.40+1.0 0*1.35	5.00	1750	41.21 8	7211 601	Mahendra Singh,	

											Ramakanta	
4	S.B. 4	16.45		297	300	6.40+1.0 0*1.35	5.00	1500	41.21	6181 5	515	Mohanlal
Tot al		86.28			1600					3296 80	2747	
1	P.B. 1	21.5		130	300	7.60+1.0 0*1.65	7.10	2130	41.21	8777 7	731	Smt. Vijay Kumari
2	P.B. 2	11.75	180, 184		150	7.60+1.0 0*1.65	7.10	1065	41.21	4388 9	366	Mangal Singh, Ghumakaiya
3	P.B. 3	24.76	2, 3, 4, 5, 6, 8		350	7.60+1.0 0*1.65	7.10	2485	41.21	1024 07	853	Mohan Lal, Lokanath, Lalpratap. Shivram Singh, Dhurama Singh
4	P.B. 4	28.08	600, 601		400	7.60+1.0 0*1.65	7.10	2840	41.21	1170 36	975	Omprakash, Gopalsharan etc.
5	P.B. 5	24.75	617, 618, 619, 622		350	7.60+1.0 0*1.65	7.10	2485	41.21	1024 07	853	Badri Prasad, Balkhandi etc.
Tot al		110.84			1550					4535 16	3779	
1	C.D.1	8.97		1362	100	10.70+1. 50*2.30	14.03	1403	47.95	6727 4	561	Dayashnakar, Shyambabu, Bhagoti, Maniram, Chinnu, Gopi etc.

2	C.D.2	8.965		56	100	10.70+1. 50*2.30	14.03	1403	47.95	6727 4	561 Gokul
3	C.D.3	8.96		364	100	10.70+1. 50*2.30	14.03	1403	47.95	6727 4	561 Man Singh
4	C.D.4	9.75		10	100	10.70+1. 50*2.30	14.03	1403	47.95	6727 4	561 Rammurti
Total		36.645			400					2690 95	2242
1	W.H.B. 1	34.33	129, 239		350	12.20+2. 00*2.55	18.1	6335			Brahmanand Vidyayal, Smt. Suman Devi
		Ext.			100			440			
		Net work				6335-440	5895	49.36	2909 77	2425	
2	W.H.B. 2	29.24	294, 254		200	12.20+2. 00*2.55	18.1	3620			Balduva, Ishvar Das
		Ext.			60			274.2			
		Net work				3620- 274.2	3345.8	49.36	1651 49	1376	
	Pucca Work								8000 0	667	
3	W.H.B. 3	38.49	249, 252, 253		300	12.20+2. 00*2.55	18.1	5430			Dhuram Singh, Shivram, Motilal
		Ext.			150			609			
		Net work				5430-609	4821	49.36	2379 65	1983	
	Pucca								9047	754	

	Work								0		
4	W.H.B. 4	48.11	285, 286, 282	400	12.20+2. 00*2.55	18.1	7240				Ghasiram etc.
		Ext.		110			453.2				
		Net work			7240- 453.2		6786.8	49.36	3349 96	2792	
	Pucca Work								8000 0	667	
											Sukharani, Bhajanlal, Siyaram
5	W.H.B. 5	20.04	311, 97	80	12.20+2. 00*2.55	18.1	1448				
		Ext.		30			183.6				
		Net work			1448- 183.6		1264.4	49.36	6241 1	520	
	Pucca Work								1000 00	833	
6	W.H.B. 6	35.28	167, 192, 196	250	12.20+2. 00*2.55	18.1	4525				Rajaram, Amar Singh, Gulab Singh
		Ext.		90			482.4				
		Net work			4525- 482.4		4042.6	49.36	1995 43	1663	
	Pucca Work								1000 00	833	
7	W.H.B. 7	46.59	231, 232, 233	400	12.20+2. 00*2.55	18.1	7240				Siyarani etc.
		Ext.		200			1040				
		Net work			7240- 1040		6200	49.36	3060 32	2550	
	Pucca Work								1000 00	833	
Tot		252.08		1980					2147	17896	

al									542		
1	Farm Pond	42.93	129, 259	300	13.40+2. 00*2.85	21.94	6582				Bharat Singh, Ramshvarup
			Ext.	140	5.20+1.0 0*1.85	5.73	802.2				
			Net work			6582- 802.2	5779.8	51.07	2951 74	2460	
	Pucca Work								1000 00	833	
Tot al		42.93		440					3951 74	3293	
Pupwara 2C1B3c1e											
Pupwara , Pahretha											
1	S.B. 1	7.4	62, 47	200	4.55+1.0 0*1.25	3.60	720	41.21	2967 1	247	Jasiram, Ramshevak
2	S.B. 2	7.4	48, 49	200	4.55+1.0 0*1.25	3.60	720	41.21	2967 1	247	Kandhi, Hariram
3	S.B. 3	7.4	24, 66, 69, 70, 71	200	4.55+1.0 0*1.25	3.60	720	41.21	2967 1	247	Kishun Das, Krashana, Lallu etc.
4	S.B. 4	3.7	23, 39	100	4.55+1.0 0*1.25	3.60	360	41.21	1483 6	124	Babu
5	S.B. 5	3.7	24, 33, 34	100	4.55+1.0 0*1.25	3.60	360	41.21	1483 6	124	Pirva, Sura
Tot		29.6		800					1186	989	

al									85		
1	P.B. 1	8.7	2313	200	5.05+1.0 0*1.35	4.08	816	41.21	3362 7	280	Kusuma Devi
2	P.B. 2	8.73	2276, 2277	200	5.05+1.0 0*1.35	4.08	816	41.21	3362 7	280	Sukharam etc.
3	P.B. 3	8.8	2367, 2377, 2377	200	5.05+1.0 0*1.35	4.08	816	41.21	3362 7	280	Ramvilal, Shakar Prasad etc.
Total		26.23		600					1008 82	841	
1	C.D.1	8.97	1362	100	11.00+2. 00*2.25	14.62	1462	47.95	7010 3	584	Parsachhilal, Bhunta, Brajgopal, Shyam Sundar etc.
	Pucca Work								8000 0	667	Rambabu, Jayram Singh, Rajendra Kumar,
2	C.D.2	8.965	56	50	11.00+2. 00*2.25	14.62	731	47.95	3505 1	292	Jodha, Jayendra, Lallu etc
3	C.D.3	8.96	364	80	11.00+2. 00*2.25	14.62	1169.6	47.95	5608 2	467	Sundar Lal, Shakuntla Devi, Ramkishan etc.
4	C.D.4	9.75	10	80	11.00+2. 00*2.25	14.62	1169.6	47.95	5608 2	467	Lakshman, Shan Singh etc.
5	C.D.5	9.75	10	100	11.00+2. 00*2.25	14.62	1462	47.95	7010 3	584	Sovran Singh, Sahib

											Singh, Amar Singh,etc.	
	Pucca Work								8600 0	717		
6	C.D.6	9.75		10	100	11.00+2. 00*2.25	14.62	1462	47.95	7010 3	584	Jayendra Singh, Rupam Singh, Sitaram, Mankunvar, Bablu etc.
7	C.D.7	9.75		10	60	11.00+2. 00*2.25	14.62	877.2	47.95	4206 2	351	Kandhilal, Mukesh Kumar, Natthu, Pankaj Singh, Mukesh Kumar etc.
Tot al		65.895			570				5655 87	4713		
Kanera 2C1B3c1e												
Ka ner a												
1	S.B. 1	4.856	27, 28, 21		250	3.90+0.6 0*1.10	2.47	617.5	41.21	2544 7	212	Smt. Tulsirani, , Umrv etc.
2	S.B. 2	1.464	113, 114		60	3.90+0.6 0*1.10	2.47	148.2	41.21	6107	51	Harishankar, Lokendra Kumar etc.

3	S.B. 3	4.193	122 to 125	300	3.50+0.5 0*1.00	2.00	600	41.21	2472 6	206	Krashan Kumar, Kashiram etc.
4	S.B. 4	6.454	139, 140, 119, 120	400	3.90+0.6 0*1.10	2.47	988	41.21	4071 5	339	Omprakash, Chandrakrapal, Jivan Lal etc.
5	S.B. 5	6.961	178, 179, 180	200	3.90+0.6 0*1.10	2.47	494	41.21	2035 8	170	Mo. Siddi Begam, Jivan Lal etc.
6	S.B. 6	3.537	165 to 169	140	3.50+0.5 0*1.00	2.00	280	41.21	1153 9	96	Parvartiya, Govind Das
Tot al		27.465		1350					1288 93	1074	
1	C.D.1	4.476	135 to 137, 46, 48, 1314	50	8.40+1.2 0*1.80	8.64	432	44.34	1915 5	160	Laldiman, Govind Das, Yali Khan
2	C.D.2	7.237	141 to 150, 138	100	8.40+1.2 0*1.80	8.64	864	44.34	3831 0	319	Smt. Vishvdevi, Panna Lal etc.
3	C.D.3	8.434	39, 49, 52, 53, 57, 58	100	7.60+1.2 0*1.60	7.04	704	43.18	3039 9	253	Shivacharan, Ramshevak, Dabbul, Ravindra Kumar, Smt. Ramiya
Tot al		20.147		250					8786 3	732	

1	W.H.B. 1	11.096	29, 45, 104, 105, 17, 108	200	9.20+1.2 0*2.00	10.4	2080				Fool Khan, Shyambabu, Lokendra Kumar etc.
			Ext.				200				
			Net work			2080-200	1880	44.34	8335 9	695	
2	W.H.B. 2	15.948	171 to 175, 84, 89	300	9.20+2.0 0*1.80	10.08	3024	44.34	1340 84	1117	Omshankar, Indrapal Singh, Ramesh Prasas etc.
	Pucca Work								1250 00	1042	
3	W.H.B. 3	20.544	80, 93, 229, 230, 237, 238, 178, 179, 156, 157, 158, 160, 164, 166, 167	100	12.00+2. 00*1.80	17.5	1750				Shyambabu, Sakitram, Prashant, Kumar, Pradip Kumar etc.
			Ext.				122.5				
			Net work			1750- 122.5	1627.5	47.95	7803 9	650	
	Pucca Work								2171 42	1810	
Tot al		47.588		600					6376 24	5314	
Sudamapuri											
1	S.B. 1	5.75	115, 116, 117/1	250	3.90+0.6 0*1.10	2.47	617.5	41.21	2544 7	212	Mahendra Kumar, Krashanoatar, Kalka etc.

2	S.B. 2	3.686	122, 123, 117/2	120	3.90+0.6 0*1.10	2.47	296.4	41.21	1221 5	102	Shivpal, Govindi, Kalka etc.
3	S.B. 3	5.508	159 to 165	300	3.90+0.6 0*1.10	2.47	741	41.21	3053 7	254	Jafar Usmani, Goarishankar
4	S.B. 4	4.349	127 - 130	150	4.30+0.7 0*1.20	3.00	450	41.21	1854 5	155	Ramshevak, Malkhan etc.
5	S.B. 5	6.064	260, 261	250	4.30+0.7 0*1.20	3.00	750	41.21	3090 8	258	Gaya Prasad, Haricharan etc.
Total		25.357		1070					1176 50	980	
1	C.D.1	4	131, 108	50	8.40+1.2 0*1.80	8.64	432	44.34	1915 5	160	Naresh Prasad, Jumman etc.
2	C.D.2	14.067	183 to 190	100	9.20+1.2 0*2.00	10.40	1040	44.34	4611 4	384	Umashankar
	Pucca Work								1000 00	833	
3	C.D.3	3.43	193/1	60	8.40+1.2 0*1.80	8.64	518.4	44.34	2298 6	192	Santosh Kumar
4	C.D.4	8.822	193/2 to 199	160	8.40+1.2 0*1.80	8.64	1382.4	44.34	6129 6	511	Rahul
Total		30.319		370					2495 50	2080	

Malkhanpur											
1	S.B. 1	9.763	69, 70, 63, 64, 65	400	4.30+0.7 0*1.20	3.00	1200	41.21	4945 2	412	Ramshvarup, Pratap Kumar, Smt. Mira, Ramcharan, Narmda Devi etc.
2	S.B. 2	5.047	43 to 48	250	3.90+0.6 0*1.10	2.47	617.5	41.21	2544 7	212	Gumani Deen, Goarishankar etc.
Tot al		14.81		650					7489 9	624	
1	C.D.1	4	81, 94 to 96, 109, 112	20		7.04	140.8	43.18	6079	51	Rafik Ahmad, Durjan, Ambika Prasad, Khemraj, Ramdas etc.
2	C.D.2	14.067	92, 93, 99, 100	20		7.04	140.8	43.18	6079	51	Shvapnil Tiwari, Sitaram, Kashideen, Arun kumar
	Pucca Work								7000 0	583	
3	C.D.3	3.43		88	20	8.40+1.2 0*1.80	8.64	172.8	44.34	7661	64 Arvindra
	Pucca Work								8000 0	667	Smt. Shyamrani, Ishvari Prasad, Ashok Kumar,

												Lyapak Ahmad
4	C.D.4	8.822	33 to 37, 40, 50		120	8.40+1.2 0*1.80	8.64	1036.8	44.34	4597 1	383	Sharif Ahmad, Aafak Shaikh
5	C.D.5	9.822	52 to 62		100		7.04	704	43.18	3039 8	253	
Total		40.141			280					2461 88	2052	
1	W.H.B.1	12.991	89, 90, 91, 118 to 123		200	9.20+2.0 0*1.80	7.04	1408	43.18	6079 7	507	Chandrashekhar, Anil Kumar, Dharmendra Kumar, Shivnandan etc.
Total		12.991			200					6079 7	507	
Ka nka ra												
1	S.B. 1	3.354	137, 140		100	4.30+0.7 0*1.20	3.00	300	41.21	1236 3	103	Laldiman, Chandrakrapal
Total		3.354			100					1236 3	103	
1	C.D.1	7.112	139, 142, 154		150	8.40+1.2 0*1.80	8.64	1296	44.34	5746 4	479	Omprakash, Jageshvar etc.

Tot al		7.112		150					5746 4	479	
barai 2C1B3h1a											
bara i											
1	S.B. 1	14.083	199 200 to 207 346 347	400	408+.50 *1.35/2	3.00	1200	41.21	4945 2	412	Kailash Devi, Sitaram, Mahendra Singh, Suresh Kumar, Ghansu etc.
2	S.B. 2	12.533	229 371 372 373 374 365 367	400	408+.50 *1.35/2	3.00	1200	41.21	4945 2	412	Kallu, Ramprakash, Mahesh, Shyamsundar, Chandrashekhar, Kalicharan etc.
3	S.B. 3	12.663	357 359 360 360 361 368 350	300	408+.50 *1.35/2	3.00	900	41.21	3708 9	309	Udit Narayan, Brajgopal, Maniram, Mahesh kumar, Sitaram, Dilip, Jagdev etc.
4	S.B.4	6.583	566 567 571 573	150	408+.50 *1.35/2	3	450	41.21	1854 5	155	Pratap Narayan, Rambalak, dindayal, Sitaram, Chandrashekhar etc.
5	S.B.5	5.484	770 771 768 767	120	408+.50 *1.35/2	3	360	41.21	1483 6	124	Parsachhilal, Bhunta, Brajgopal,Shyam

											Sundar etc.
6	S.B.6	4.479	810 811 779	120	408+.50 *1.35/2	3	360	41.21	1453 6	121	Shan Singh, Narayan Singh, Pankaj Singh, Shyam Sundar etc.
Grand Total		55.825		1320			3960		1628 91	1357	
1	P.B. 1	4.835	786 787 792	200	4.50+.60 *1.40/2	3.57	714	41.21	2942 4	245	Balram, Chandrashekhar, Kallu, Goarelal, Ganesha, Ramkumar, Ranvijay Singh etc.
2	P.B. 2	5.214	805 806 807 808 809	170	4.50+.60 *1.40/2	3.57	606.9	41.21	2501 0	208	Rameshvar, Dan Singh, Narmda Prasad, Chinji, Madhoa, Balvan Singh, Jagram etc.
3	P.B. 3	2.749	815 816 817	130	4.50+.60 *1.40/2	3.57	464.1	41.21	1912 5	159	Dharm Singh, Kathora, Ramcharan, Ramdas,
4	P.B. 4	6.014	819 820 822 823 831	180	4.50+.60 *1.40/2	3.57	642.6	41.21	2648 2	221	Sundar, Sumera, Balvan, Jagdish etc.

5	P.B. 5	3.819	835 838 841 842 843 844 848	130	4.50+.60 *1.40/2	3.57	464.1	41.21	1912 5	159	Naraina, Kalideen, Omkaprasad, Jay Singh Baini Prasad etc.
Grand Total		22.631		810			2891.7		1191 66	993	
1	C.D. 1	13.303	140 154 156 163 164 165 166 158 168	150	10.40+1. 20*2.3/2	13.34	2001	47.96	9596 7	800	Svapnil Tivari, Ashish Pathak, Virendra Kumar
2	C.D. 2	2.421	764 757 760	80	10.40+1. 20*2.3/2	13.34	1067.2	47.96	5118 2	427	Svapnil Tivari, Anil Kumar
3	C.D. 3	8.767	795 798 792 790 747 748 749 750 751 801 782 783 800	100	10.40+1. 20*2.3/2	13.34	1334	47.96	6397 8	533	Ramkumar
4	C.D. 4	3.414	839 840 841 842 850 851 852 853 854 855	60	10.40+1. 20*2.3/2	13.34	800.4	47.96	3838 7	320	Sudhir, Madhaiya, Chhanni, Rajesh etc.
5	C.D. 5	11.51	860 868 867 870 859 858 856	180	10.40+1. 2*2.30/2	13.34	2401.2				Rampat, Harpratap, Parna etc.
			Old ext.	100	5.10+0.9 0*1.05/2	3.15	315				
Grand Total		39.415		570					3495 68	2913	

1	W.H.B.1	37.424	312 313 314 315 316 317 319 320 321 322 339 340 341 342 343 344 335 336 337 327 328 329 330 574	250	12.70+1. 5*2.80/2	19.88	4970				Fool Singh, Jangbahadur
			Old ext.	170	6.10+1.0 0*1.50/2	4.26	724.2				
	Pucca Work						4245.8	51.08	2168 75	1807	
									1000 00	833	
2	W.H.B.2	12.828	741 742 743 744 745 734 735 736 611 613 614 635 636 637 732 606 606 619 620 621 622 623	170	10.70+1. 50/2*2.3	14	2380	47.96	1141 45	951	Ramkrapal, Shivbalak etc.
	Pucca Work								5000 0	417	
Grand Total		50.252		420					4810 20	4009	
koh ari											
1	S.B. 1	10.403	487, 621, 626, 627, 624, 629, 628,	270	408+.50 *1.35/2	3.00	810	41.21	3338 0	278	Fool Singh, Jangbahadur
2	S.B. 2	14.993	739, 734 to 736, 731, 732, 728	350		3.57	1249.5	41.21	5147 1	429	Ramkrapal, Shivbalak etc.
3	S.B. 3	8.891	826, 827, 828, 831, 832, 689, 690, 691, 686, 687, 680, 681, 682	380		3.57	1356.6	41.21	5590 5	466	Tillu, Ramkrapal, dayaram, Smt. Prakash Singh

4	S.B.4	15.015	834, 835, 836, 840, 838, 839, 847, 845, 846, 849	500		3.57	1785	41.21	73560	613	Indal Singh, Senapat Singh, Pancha
	Grand Total	49.302		1500					214316	1786	
1	W.H.B.1	23.232	424, 415, 416, 417, 418, 420, 421, 422	250	10.70+1. 50/2*2.3	14	3507.5	47.96	168220	1402	Maiyadeen, Bhaiyalal etc.
	Pucca Work										
2	W.H.B.2	9.476	665, 672, 669	130	10.70+1. 50/2*2.3	14	1820	47.96	87287	727	Kallu, Chhote, Rambahori etc.
	Pucca Work								80000	667	
	Grand Total	32.708		380					335507	2796	
	Keeratpur2C1B3c3b										
	Kurera Bajpai										
1	W.H.B.1	23.71	199 to 203, 205, 206, 210, 224 to 231, 234 to 236, 238, 240, 243, 244, 246 to 248, 250, 251	300	9.50+1.3 0*2.10	11.34	3402	46.08	156764	1306	Nanhu, Mullu
	Grand Total	23.71		300					156764	1306	
1	P.B. 1	27.55	24, 28 to 31, 81, 83, 90 to 93, 97, 98,	540	5.40+0.8	4.96	2678.4	41.21	1103	920	Miyadeen etc.

			102 to 104, 106		0*1.60/2				77		
2	P.B. 2	8.578	75, 77, 78, 79, 340, 343 to 345, 338	230		3.57	821.1	41.21	3383 8	282	Kallu, Chhote, Rambahori
3	P.B. 3	14.128	244, 248, 252, 254, 258, 262, 264, 266 to 268, 271 to 273, 275, 277, 281, 284, 289, 286	350		3.57	1249.5	41.21	5149 2	429	Prahad, Mahadev Prasad
4	P.B. 4	3.954	301 to 305, 307, 332, 331	105		3.57	374.85	41.21	1544 8	129	Ramkrapal etc.
5	P.B. 5	3.498	314, 319, 310, 312, 313	95		3.57	339.15	41.21	1397 6	116	shankar Singh, Sunita etc.
6	P.B. 6	4.254	370, 316, 317, 318, 322, 323 to 329	115		3.57	410.55	41.21	1691 9	141	Ramshvarupetc.
7	P.B. 7	4.926	348, 349, 350 to 355	100		3.57	357	41.21	1471 2	123	Maheshvari, Udayram Singh etc.
8	P.B. 8	4.67	359, 360, 363, 364, 365, 366, 368	120		3.57	428.4	41.21	1765 4	147	Hanuman
Grand Total		71.558		1655			6658.95		2744 15	2287	
sijo ura											

1	W.H.B.1	16.709	65, 67, 68, 70, 72, 62, 74	175	10.70+1. 50*2.30	14	2450	47.96	1175 02	979	Ramkrapal, Umrav Singh etc.
2	W.H.B.2	31.564	36, 38, 40, 41, 42, 44, 45, 46, 48, 49, 51, 52, 58 to 61, 54, 55, 56, 34, 64	325	10.70+1. 50*2.30	14	4550	47.96	2182 18	1818	Babbu etc.
Grand Total		48.273		500					3357 20	2798	
Kee ratp ur											
1	S.B. 1	19.845	293, 288, 304, 305, 306	450	5.20+0.7 0*1.50	4.42	1991.25				Rajaram, Svamideen etc.
			Old ext.	300	2.50+0.5 0*0.80	1.20	360				
							1631.25	41.21	6722 4	560	
2	S.B. 2	11.899	333, 337, 338, 343, 344, 345, 347 to 352, 332	250	5.20+0.7 0*1.50	4.42	1105	41.21	4553 7	379	Ramkrapal, Umrav Singh etc.
3	S.B. 3	15.398	15, 13, 18, 19, 12, 22, 23, 29	240	5.50+0.7 0*1.60	4.96	1190.4	41.21	4905 6	409	Bhallu, Dharmendra Singh etc.
Grand Total		47.142		940					1618 17	1348	
1	C.D. 1	4.998	310, 319 to 323	60	10.70+1. 50*2.30	14	840	47.96	4028 6	336	Ghasita

2	C.D. 2	10.815	353, 358, 374, 375, 419, 418	110	10.70+1. 50*2.30	14	1540	47.96	7385 8	615	Ramgopal etc.
Grand Total		15.813		170					1141 45	951	
1	W.H.B.1	26.235	60, 64, 66, 65, 62, 59, 57, 54, 56, 55, 69, 70	155	11.70+1. 50*2.55	16.8	2604	49.37	1285 59	1071	Narendra Singh
	Pucca work								8500 0	708	Brajraj Singh
2	W.H.B.2	10.655	390, 391, 380, 379, 395, 394, 396, 400, 404	130	11.70+1. 50*2.55	16.8	2184	49.37	1078 24	899	Smt.Sukhrani
3	W.H.B.3	9.768	431, 436, 432, 437, 439, 440, 471, 472, 422, 423	30	11.70+1. 50*2.56	17.8	534	49.37	2636 4	220	Smt.Sukhrani, Kuldip Singh, Vanbihari Singh
	Pucca work								1000 00	833	
Grand Total		46.658		315					4477 47	3731	
kak un											
1	S.B. 1	11.247	74, 75, 77, 79, 72	305		3.57	1088.85	41.21	4487 2	374	Jagmohan etc.
2	S.B. 2	8.091	133, 134, 135	220		3.57	785.4	41.21	3236 6	270	Bhikham Singh, Ramprakash

3	S.B. 3	3.872	81, 82	105		3.57	374.85	41.21	1544 8	129	Shatrughan, Shivdayal
Grand Total		23.21		630					9268 5	772	
1	P.B. 1	7.742	249, 250, 251 to 258, 267, 265, 260, 261	210		3.57	749.7	41.21	3089 5	257	Jugraj singh, Nabav Singh
2	P.B. 2	4.479	35, 36, 39, 40, 44	120		3.57	428.4	41.21	1765 4	147	Kanchan Singh
Grand Total		12.221		330			1178.1		4855 0	405	
1	W.H.B.1	21.419	129, 107, 109, 110, 111, 112, 113, 105, 106, 116, 56	170	10.70+1. 50*2.55	16.8	2856				Maheshvari Deen, , Shiv Singh, Radharani
			Old ext.	110	4.50+0.5 0*1.10	2.75	303				
							2553	49.37	1260 42	1050	
	Pucca work								1100 00	917	
Grand Total		21.419		280					2360 42	1967	

ANNEXURE-II LIVELIHOOD ACTION PLAN

Annual Action Plan for Livelihood (Physical & Financial)

	(1) Activity Goatary									0	0.00	
	(a) No. of SHG's	No.	0	0.00	13	3	13	3	3	1	29	7.51
	(b) No. of members	No.	0	0.00	131	0	131	0	29	0	290	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(2) Activity- Back Yard Poultry		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	13	3	13	3	3	1	28	7.00
	(b) No. of members	No.	0	0.00	126	0	126	0	28	0	280	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(3) Activity- Poultry , Broiler		0	0.00							0	0.00
	(a) No. of SHG's	No.	0	0.00	12	3	12	3	3	1	26	6.50
	(b) No. of members	No.	0	0.00	117	0	117	0	26	0	260	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(4) Black Smithy										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	17	4.25

	(b) No. of members	No.	0	0.00	77	0	77	0	17	0	170	0.00
	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(5) Rope making										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	17	4.25
	(b) No. of members	No.	0	0.00	77	0	77	0	17	0	170	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(6) Tailoring										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	18	4.50
	(b) No. of members	No.	0	0.00	81	0	81	0	18	0	180	0.00
	(c) Estimated income per year	Rs.	0	0.00		0.00	0	0.00	0	0.00	0	0.00
	(8) Vermi Composting										0	0.00
	(a) No. of SHG's	No.	0	0.00	11	3	11	3	3	1	25	6.25
	(b) No. of members	No.	0	0.00	113	0	113	0	25	0	250	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00

	(9) Food processing									0	0.00	
	(a) No. of SHG's	No.	0	0.00	9	2	9	2	2	1	20	5.00
	(b) No. of members	No.	0	0.00	90	0	90	0	20	0	200	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00
	(13) Seed Bank										0	0.00
	(a) No. of SHG's	No.	0	0.00	8	2	8	2	2	0	18	4.30
	(b) No. of members	No.	0	0.00	81	0	81	0	18	0	180	0.00
	(c) Estimated income per year	Rs.	0	0.00							0	0.00

**Livelihood Option for Village Groups / Community
Input supplied to Interested Groups/ SHGs**

Sr. No.	Name of Activity *	Name of input	Quantity/	Rate	No of IG / SHGs	Total Amount (Rs)
1	Organic complex	Red worms (<i>Eisenia fetida</i>) <i>NADEP</i>	2 q 10 Nos	25000 5000	4 (40 FF)	100000.00
2	Goat kids	Kids	40 Nos	1200	2 (20 FF)	48000.00
		Adult	02	2500		5000.00
3	Goat rearing	Female	10 Nos	3000	1 (10 FF)	30000.00
		Adult	01	3000		3000.00
4	Motor / Diesel repairing	Tool Kit	All tools	25000	1	25000.00
5	Masala Grinding	Pulvelizer	02	37000	2 (20 FF)	74000.00
6	Oil Expeller	Oil Expeller	01	84000	1 (10 FF)	84000.00
7	Poultry (Broiler)	Chicks	1000	25 per chicks	1 (10 FF)	25000.00
8	Wooden furniture	Instruments	01	61000	1 (10 FF)	61000.00
9	Mini Dal Mill	Machine	01	42000	1 (10 FF)	42000.00
10	Dairy	Buffaloes / Cows	10	25000	1 (10 FF)	250000.00
11	Back yard Poultry	Chicks	2000	18	2 (20 FF)	36000.00
12	Linseed rope making	Rope making machine	01	35000	1 (10 FF)	35000.00
13	Organic production	Registration	100 ha	6000	5	120000.00
14	Tailoring	Sieving Machine	5 in 01 SHG	25000	2	25000.00

Note: Maximum Seed Money will be Rs 25000/- for one SHG / Individual. Repayment limit up to 18 months.

ANNEXURE-III

1. Annual Action Plan for Agriculture Production System & Micro Enterprises (Physical & Financial)

(1) Agriculture										0	0.00
(a) Crop demonstration										0	0.00
(1) No. of dem.	No.	0	0.00	1200	13	1200	13	267	3	2666	29.99
(2) Area	Ha.			600		600		133		1333	0.00
(b) Seed Production		0								0	0.00
(1) No. of dem.	No.	0	0.00	801	9	801	9	178	2	1780	20.03
(2) Area	Ha.	0		401		401		89		890	0.00
(2) Horticulture/ Agri-Horticulture		0								0	0.00
(a) Area	Ha.	0	0.00	7	1	7	1	2	0	15	2.70
(b) No. of Plants	No.		0.00							0	0.00
(4) Animal husbandry										0	0.00
A. fodder production	No. of Units / Farmers	0	0.00	63	0	63	0	14	0	141	0.85
B. Vaccination/Medication	No. of Animals			126	0	126	0	28	0	279	0.43
C. Artificial Insemination	No. of Animals			130	0	130	0	29	0	288	0.12
D. Natural Service.	He Buffalo			2	0	2	0	0	0	4	0.96

2. ESTIMATES OF DIFFERENT PARTICIPATORY CROP TRIALS

Estimates of different Participatory crop trials

Pulses	Rabi	ICM	Lentil	
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Narendra Masoor-1, DPL-15, L-4076, Pusa Vaibhav Late- IPL-81, K-75	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	IIInd week of October			
		Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	50 kg / ha (F1,F2, Certified)	80	4000	2000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00

Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			4743.25
Integrated Crop Management	Chickpea			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	KGD-1168, KWR-108, Pusa-256, Pusa-367	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
	Late- Udalai			
	1st week of October			
2. Sowing Time		Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	80 kg / ha (F1,F2, Certified)	65	5200	2600.00
	Pendimethalin 3.3 li/ha	465	1535	767.25
7. Use Weedicde	(Pre emergence)			
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			

13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE /ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			5443.25
Integrated Crop Management	Field Pea			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted			Organisations for obtaining Seed
1. Name of Varieties	KMPR-400, KPMR-522, Rachna, Shikha			C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi
2. Sowing Time	IIInd week of October			
3. Required Seed	100 kg / ha (F1,F2, Certified)	60	6000	3000.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00

iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			5743.25
Integrated Crop Management	Urd			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted			Organisations for obtaining Seed
1. Name of Varieties	Shekhar-2, Azad-1, PU-35, Narendra Urd-1			C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi
2. Sowing Time	Last week of July			
			Rate(Rs/kg/ Pkt)	Cost per ha (Rs)
3. Required Seed	16 kg / ha (F1,F2, Certified)	100	1600	800.00
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				

i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			3543.25
Integrated Crop Management	Moong			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	T.M-9937, Meha, Pant Moong-1,2 Late- Type-44, Samrat	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Last week of June			
3. Required Seed	16 kg / ha (F1,F2, Certified)	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
7. Use Weedicide	Pendimethalin 3.3 li/ha (Pre emergence)	465	1535	767.25
11. Bio Fertilizers/Bio-agents				

i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
25:60:30 NPK				
i) DAP*	130 kg	15	1950	975.00
ii) SSP*	375 kg	8	3000	1500.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	40 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
NPV	250 LE /ha at the time pod formation	200	200	100.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			3643.25
Integrated Crop Management				
Area of Demonstration - 0.40 ha	Arhar			
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Paras, UPAS-120, Type-21, Pusa-992 (Wilt rest.) Late- Bahar, Narendra Arhar-1, Azad	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Late- Month July			

	Early Last Week of June	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	20 kg / ha (F1,F2, Certified)	120	2400	1200.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	-			
ii) Rhizobium + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
15:45:20 NPK				
i) DAP*	100 kg	15	1500	750.00
ii) SSP*	250 kg	8	2000	1000.00
iii) Urea	In case of SSP 54 kg Urea applied	6	324	162.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Parathion powder			
	25 kg / ha	25	625	312.50
	Total			2951.00
Integrated Crop Management	Linseed			
Area of Demonstration - 0.40 ha				

Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Sweta, Subhra, Garima, Shekhar, Parwati Late- Laxmi-27, Padmini	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid October	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	30 kg / ha (F1,F2, Certified)	75	2250	1125.00
7. Use Weedicde	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:40:40 NPK				
i) DAP*	125 kg	15	1875	937.50
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Parathion powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			2949.50

Integrated Crop Management	Mustard			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted			Organisations for obtaining Seed
1. Name of Varieties	Varuna, Kranti, Rohini, Vaibhav, Pusa Bold Late-Ashirvad, Vardan			C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi
2. Sowing Time	October first week	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	6 kg / ha (F1,F2, Certified)	150	900	450.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
60:50:30 NPK				
i) DAP*	180 kg	15	2700	1350.00
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	75 kg	6	450	225.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00

Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			2762.00
Integrated Crop Management	Toriya			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Type-9, PT-303, PT-30 Late-Bhawani	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	First Fortnight of September	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	4 kg / ha (F1,F2, Certified)	200	800	400.00
7. Use Weedicde	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
50:30:30 NPK				
i) DAP*	125 kg	15	1875	937.50
ii) SSP*	275 kg	8	2200	1100.00
iii) Urea	50 kg	6	300	150.00
iv) MOP	50 kg	7	350	175.00
* Either one	30 kg /ha Sulphur added if SSP used			
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00

Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			2224.50
Integrated Crop Management Til (Sesamum)				
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Type-4,12,13,78, Shekhar Late- Pragati, Tarun	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	June last week to July 15	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	4 kg / ha (F1,F2, Certified)	150	600	300.00
7. Use Weedicide	-	-	-	-
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	-	-	-	-
12. Recommended dose of fertilizers				
30:15:25 NPK				
i) DAP*	80 kg	15	1200	600.00
ii) SSP*	225 kg	8	1800	900.00
iii) Urea	30 kg	6	180	90.00
iv) MOP	40 kg	7	280	140.00
* Either one	30 kg /ha Sulphur added if SSP used			

13. IPM					
Spray of Neem Seed Kernal		10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124		62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder				
	25 kg / ha	25	625		312.50
	Total (Less SSP)				1692.00
Integrated Crop Management	Wheat				
Area of Demonstration - 0.40 ha					
Detail of Demonstration	Intervention / Technology Adopted				Organisations for obtaining Seed
1. Name of Varieties	UP-2338,WH-542,PBW-343,502,550,K-9006,307				C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi
2. Sowing Time	Mid October to first week of Nov				Rate(Rs/kg/ Pkt)
3. Required Seed	100 kg / ha (F1,F2, Certified)	25	2500		1250.00
7. Use Weedicide	Total - at 28 to 32 at after sowing				950
11. Bio Fertilizers/Bio-agents					
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75		37.50
ii) Rhizobium + PSB	-	-	-		-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204		102.00
12. Recommended dose of fertilizers					
120:60:40 NPK					
i) DAP*	325 kg	15	4875		2437.50
ii) SSP*	-	-	-		0.00
iii) Urea	100 kg	6	600		300.00

iv) MOP	80 kg	7	560	280.00
v) Zinc	30 kg /ha	25	750	375.00
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			5781.50
Integrated Crop Management	Maize			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted			Organisations for obtaining Seed
1. Name of Varieties	Hyb. Duccan-103, 105, Sankul- Dhawal, Shakti-1, Popcorn- Amber, V.L. Amber, Perl popcorn			C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi
2. Sowing Time	15 Oct. to 15 Nov.	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	22 kg / ha (F1,F2, Certified)	60	1320	660.00
4. Seed Treatment	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
100:60:40 NPK				

i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			3756.50
Integrated Crop Management	Maize			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	Hybrid- Ganga-11, Sartaj, Prakash, Pusa Hybrid Maize5, Composite-Prabhat, Navjyoti, Pusa Composite-2, Naveen	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	Mid June	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	20 kg / ha (F1,F2, Certified)	40	800	400.00
4. Seed Treatment	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50
ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00

12. Recommended dose of fertilizers				
100:60:40 NPK				
i) DAP*	265 kg	15	3975	1987.50
ii) SSP*	-	-	-	0.00
iii) Urea	80 kg	6	480	240.00
iv) MOP	50 kg	7	350	175.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal	10	30	300	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			3496.50
Integrated Crop Management	Sorghum			
Area of Demonstration - 0.40 ha				
Detail of Demonstration	Intervention / Technology Adopted	Organisations for obtaining Seed		
1. Name of Varieties	CSV-13, 15, 1616, Bundela. CSH-16	C. S. A. University of Ag. & Technology, Kanpur, Indian Institute of Pulse Research, Kalyanpur Kanpur. IARI, Pusa New Delhi		
2. Sowing Time	June last to July first week	Rate(Rs/kg/ Pkt)	Cost per ha (Rs)	Demonstration Cost (Rs)
3. Required Seed	12 kg / ha (F1,F2, Certified)	40	480	240.00
4. Seed Treatment	Thirum & 25 ml Chloropiryphose	60	60	30.00
11. Bio Fertilizers/Bio-agents				
i) Azatobactor + PSB	5 Pkt + 5 Pkt = 10 Pkt @ Rs	7.5	75	37.50

ii) Rhizobium + PSB	-	-	-	-
iii) Trichoderma	1.50 kg /ha (Soil treatment)	136	204	102.00
12. Recommended dose of fertilizers				
80:40:20 NPK				
i) DAP*	280 kg	15	4200	2100.00
ii) SSP*	-	-	-	0.00
iii) Urea	100 kg	6	600	300.00
iv) MOP	80 kg	7	560	280.00
v) Zinc	-	-	-	0.00
13. IPM				
Spray of Neem Seed Kernal		10	30	150.00
Mataka Khad	15 lit/kg Gobar+Neemleaf+water+Desi cow urine+2 kg Molasis mix & Deco	2	124	62.00
Insecticides/Fungicides	If required One Dusting of Methyle Paratheon powder			
	25 kg / ha	25	625	312.50
	Total (Less SSP)			3614.00

NOTE: List of beneficiaries for crop demonstration trials is kept in project file

Details of Demonstration under Agriculture Production System

Project- IWMP-I																
S. N o.	No. of Farm ers	Crop	Variety	Are a (ha)	Total cost of demo n. (Rs.)	Beneficia ry Contribut ion (Rs.)	Shar e of Proje ct fund (Rs.)	Prop. date of sowing	Exp. Crop maturit y date	Prop. Crop cutting Date	Productivity (Q/ha)		Total Seed	Expected Seed Exchange		Remar ks
											Existi ng	Expect ed		No of Farme rs	Quant ity (Qty.)	
Khari f																
1	240	Urd	Shekhar-2, Azad-1/ PU-35/19	48.00	1.701	0.060	1.641	Last June to Mid July	Mid September	25-Sep	3.48	5.6	268.8	1792	107.52	
						0.221	1.480									
2	200	Sorghu m	Bundela, CSV-15, 13	40.00	1.446	0.051	1.395	Last June to Mid July	Mid September	25-Sep	4.2	6.2	248	2067	206.67	
						0.188	1.258									
3	240	Arhar	Paras, UPAS-120	48.00	1.416	0.050	1.367	Last June-July	Oct (UPAS)	30-Sep	5.34	7.6	364.8	1459	291.84	
						0.184	1.232		March (Paras)	25-Mar						
4	200	Til	Pragati, Shekhar	40.00	0.677	0.024	0.653	15-Jul	September	30-Sep	1.8	3.6	144	3600	108.00	
						0.088	0.589									
1	400	Lentil	DPL-15, K-75	80.00	3.795	0.133	3.662	15-Oct	Feb	5-Feb	4.9	6.5	520	867	433.33	
						0.493	3.301									
2	320	Chickpea	KDG-1168, KWR-108	64.00	3.484	0.122	3.362	15-30 October	Las Feb to Mid March	2-10 March	5.62	8.5	544	680	476.00	
						0.453	3.031									
3	320	Field Pea	KPMR-400, 522	64.00	3.676	0.129	3.547	October	March	5-Mar	6.2	9.5	608	760	570.00	
						0.478	3.198									

4	240	Linseed	Parwati, Padmini	48. 00	1.416	0.050	1.366	October	Feb- March	27 Feb to 5 March	Mixed	5.6	268.8	1075	215.04	
						0.184	1.232									
5	200	Mustard	Maya, Kranti	40. 00	1.104 8	0.039	1.066	October	Feb	15-120 Feb	Mixed	4.8	192	3840	153.60	
						0.144	0.961									
	Total					3.088	34.34 0									

MAPS